EMERGENCY RESPONSE ACTION PLAN

Pasadena Refining System, Inc.

Pasadena Refinery and Red Bluff Tank Farm

Prepared for:

PASADENA REFINING SYSTEM, INC.

111 Red Bluff Road Pasadena, TX 77506

Prepared by:

Witt O'Brien's 818 Town & Country Blvd., Suite 200 Houston, TX 77024 (281) 320-9796 ● (281) 320-9700 FAX www.wittobriens.com

EMERGENCY RESPONSE ACTION PLAN

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Note that figure numbers appearing in this Emergency Response Action Plan correspond to figure numbers in the Integrated Contingency Plan.

FIGURE 1.3 **FACILITY INFORMATION**

GENERAL INFORMATION

Facility Name: Pasadena Refining System, Inc. (PRSI)

Facility Address/Mailing Address: 111 Red Bluff Road

Pasadena, Texas 77506

Phone: (713) 472-2461 - 24 HR NUMBER

FAX: (713) 920-4766 FAX

EPA FRP ID#: FRP-06-TX-00348

USCG FRP ID#: 93002

0078 PHMSA Sequence #:

Pasadena Refining System, Inc. Owner Name:

Owner Address/Mailing Address: 111 Red Bluff Road

Pasadena, TX 77506

Certification: The Company grants full authority to the designated

Qualified and Alternate Qualified Individuals to implement

the Integrated Contingency Plan and to:

Activate and engage in contracting with oil spill

removal organizations,

Act as liaison with the pre-designated Federal On-

Scene Coordinator (FOSC), and

Obligate funds required to carry out response

activities.

*Qualified Individual and Ron Sommers

(713) 920-3946 (Office) **Emergency Coordinator:**

(713) 319-5706 (Cellular)

Address is available through HR for privacy reasons. Home Address:

Clean Channel Cooperative QI Training. Training Comments:

*Alternate Qual. Individual/ Doug Henson

Alt. Emergency (713) 920-5744 (Office) (281) 216-1427 (Cellular) Coordinator:

Address is available through HR for privacy reasons. Home Address:

Clean Channel Cooperative QI Training. Training Comments:

*Alternate Qual. Individual/ Alisa White

(713) 920-4176 (Office) Alt. Emergency (713) 539-6536 (Cellular) Coordinator:

Address is available through HR for privacy reasons. Home Address:

Clean Channel Cooperative QI Training. Training Comments:

* A Qualified Individual (QI) or Alternate Qualified Individual (AQI) is available 24 hours per day.

FIGURE 1.3

FACILITY INFORMATION (Cont'd)

GENERAL INFORMATION (Cont'd)

*Alternate Qual. Individual/ Les Cumby

Alt. Emergency Coordinator (713) 920-5662 (Office) (281) 216-0848 (Cellular)

Home Address: Address is available through HR for privacy reasons.

Training Comments: Clean Channel Cooperative QI Training.

*Alternate Qual. Individual/ Riley Davis

Alt. Emergency Coordinator (713) 920-4114 (Office) (281) 216-1621 (Cellular)

Home Address: Address is available through HR for privacy reasons.

Training Comments: Clean Channel Cooperative QI Training.

* A Qualified Individual (QI) or Alternate Qualified Individual (AQI) is available 24 hours per day.

FIGURE 1.3

FACILITY INFORMATION (Cont'd)

FACILITY LOCATION

Additional telephone references, including 24 hour numbers, for the Facility, Owner, and QI/AQI are provided Telephone/FAX:

in Figure 2.2.

Primary SIC Code: 2911

NAICS Code: 32411

County: Harris County

Latitude: 29° 43' 27" N

Longitude: 95° 12' 22" W

Provided in Figure 1.1 Area Map:

Facility Diagram: Provided in Figure 1.2

Wellhead Protection Area: PRSI is not located in a Texas Wellhead Protection Area

[reference: Shawn Ables with TCEQ at 512-239-1758].

Date of Initial Oil Storage: Approximately 1920

Landside Directions:

- From I-610, exit east HWY 225 (Pasadena) and travel approximately 4.4 miles to Red Bluff Road.
- Turn northwest (left) and travel approximately 1.0 miles to PRSI's Pasadena Refinery.
- Turn north (right) into PRSI's Pasadena Refinery Administration Building Parking Lot.
- The physical address is 111 Red Bluff Road, Pasadena, Texas.

Waterside Directions:

Travel Houston Ship Channel (west), facility is on the south bank, between buoys 161 and 163.

FIGURE 1.2

FACILITY DIAGRAM

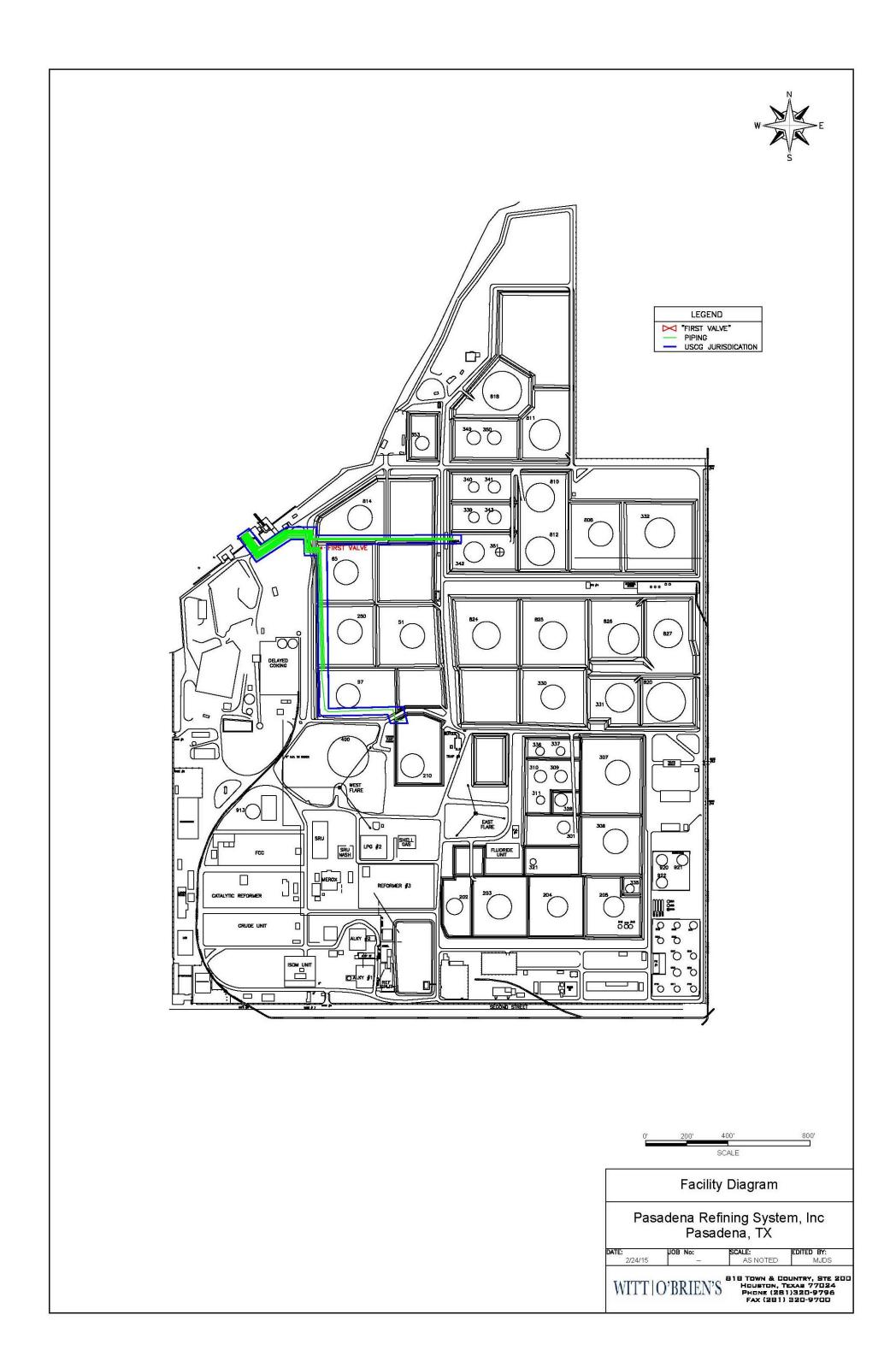


FIGURE 1.2(a)

FACILITY DIAGRAM

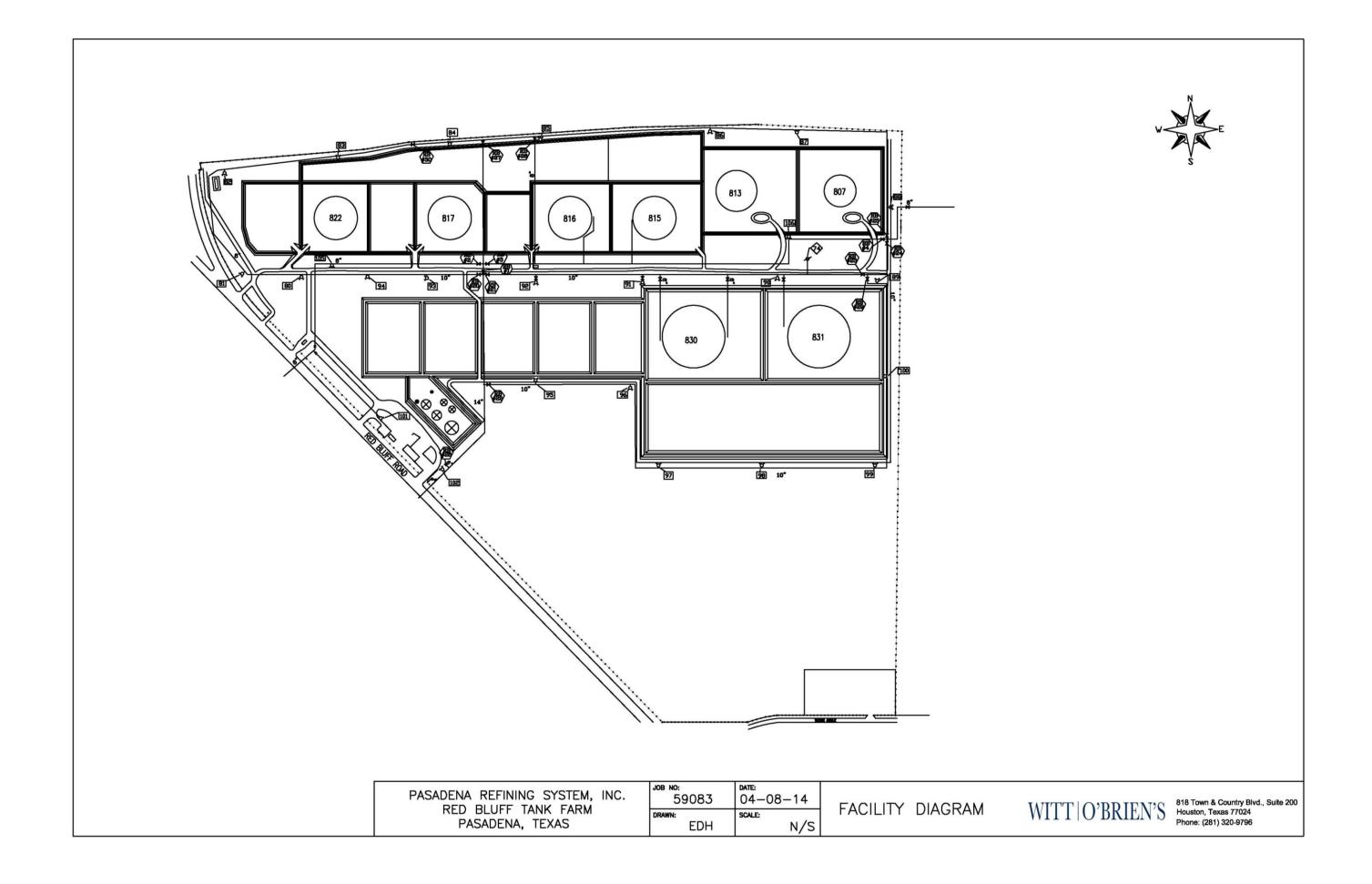


FIGURE 1.2(b)

FACILITY DIAGRAM

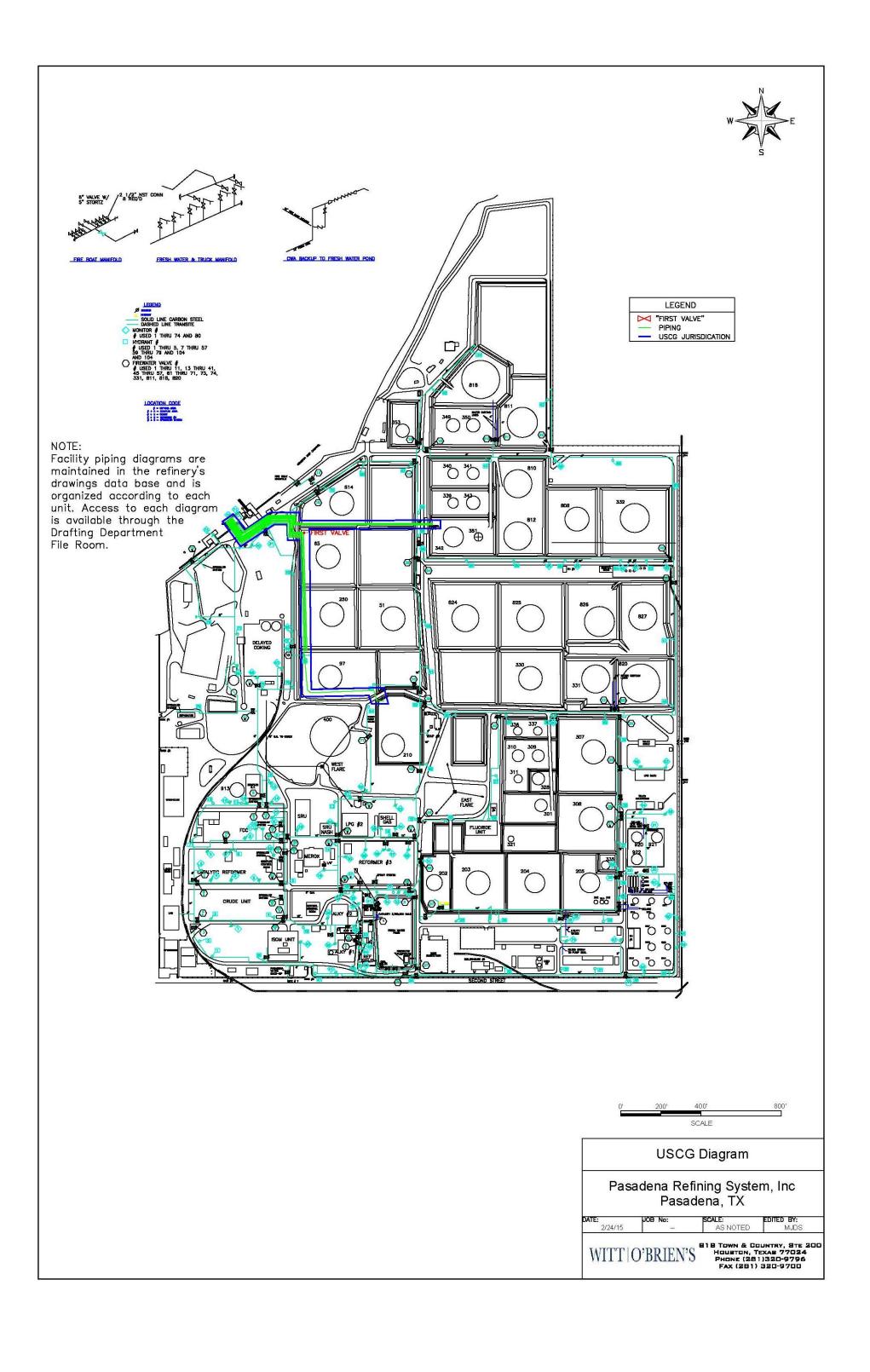


FIGURE 1.2(c)

PASADENA REFINERY AREIAL PHOTO



FIGURE 1.2(d)

RED BLUFF TANK FARM AREIAL PHOTO

FIGURE 2.1

INTERNAL NOTIFICATION SEQUENCE

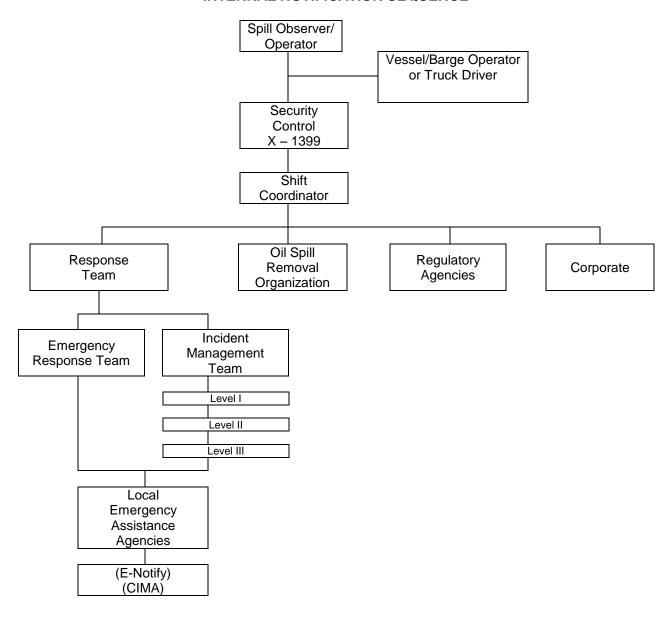


FIGURE 2.2 INTERNAL NOTIFICATION REFERENCES

GENERAL FACILITY					
FACILITY ADDRESS OFFICE FAX NUMBER					
Pasadena Refinery	111 Red Bluff Road Pasadena, TX 77506	(713) 472-2461 24 Hr. Number	(713) 920-4766		

QUALIFIED INDIVIDUALS							
POSITION/TITLE	NAME	RESPONSE TIME	TRAINING LEVEL	OFFICE	MOBILE		
Qualified Individual/Emergency Coordinator	Ron Sommers	60 minutes (maximum)		(713) 920-3946	(713) 319-5706		
Alternate Qualified Individual/Alt. Emergency Coordinator	Doug Henson	60 minutes (maximum)	Training records are available at the Facility training department.	(713) 920-5744	(281) 216-1427		
Alternate Qualified Individual/Alt. Emergency Coordinator	Les Cumby	60 minutes (maximum)		(713) 920-5662	(281) 216-0848		
Alternate Qualified Individual/Alt. Emergency Coordinator	Riley Davis	60 minutes (maximum)		(713) 920-4114	(281) 216-1621		
Alternate Qualified Individual/Alt. Emergency Coordinator	Alisa White	60 minutes (maximum)		(713) 920-4176	(713) 539-6536		

FIGURE 2.2 (Cont'd) INTERNAL NOTIFICATION REFERENCES

INCIDENT MANAGEMENT TEAM						
POSITION/TITLE	PRIMARY	RESPONSE TIME*	OFFICE	MOBILE		
Volunteer Emergency Response Team	Activated through Security Control at Extension 1399 via Global Pager System		(713) 476-2461	Various (On File)		
Incident Commander	Mark Berlinger	2 Hours (maximum)	(713) 920-3924	(281) 832-0740		
Operations Section Chief	John Edmunds	2 Hours (maximum)	(713) 920-3913	(713) 539-6538		
Public Information Officer	Clarisa Rodriguez	2 Hours (maximum)	(713) 920-4751	(832) 616-9229		
Liaison Officer	Joel Camann	2 Hours (maximum)	(713) 920-4764	(832) 483-6936		
Safety Officer	Elliott Johnson	2 Hours (maximum)	(713) 920-5106	(832) 296-4174		
Planning Section Chief	Josh Kolett	2 Hours (maximum)	(713) 920- 4710	(832) 616-9236		
Procurement Unit Leader	Elisio Soares	2 Hours (maximum)	(713) 660-4503	(281) 684-6099		
Logistics Section Chief	Bill Domescik	2 Hours (maximum)	(713) 920-3961	(713) 539-6957		

When the identified person is not available the role will be filled by a designated deputy.

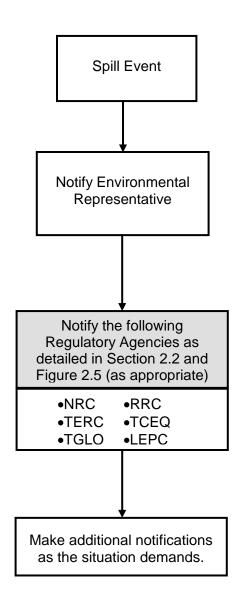
* Response Time - refers to availability to direct response activities

FIGURE 2.3

	NO	OTIFICAT	ION DATA SHEE	Т		
Date of Incident:	• • • • • • • • • • • • • • • • • • • •		Time of Inciden			
Reporter's Full Na	nme:		Position:			
Day Phone Numb	Day Phone Number:		Evening Phone Nu	mber:		
Company: Pasad	ena Refining System	n, Inc.	Organization Type.	:		
Facility Address:			 Owner's Δddress:	Pasadena Refining	System Inc	
r domey radireco.	111 Red Bluff Roa			111 Red Bluff Road		
	Pasadena, TX 775			Pasadena, TX 7750		
Facility Latitude:	29° 43′ 27″ N		Facility Longitude:	95° 12' 22" W		
Incident Address/	Location:					
(if not at Facility):						
On-Scene Weather	er Conditions:		Discon	. M		
Responsible Party	y's Name:		Pnone	e Number:		
Source and/or cal	y's Address:					
Source and/or cat	ise of incluent					
Nearest City: Pasa	adena					
County Harris		St	ate: Texas Range: Direc rage Capacity:	Zip code	<i>:</i> 77506	
Section:	Township:		Range:	Borough:		
Distance from Cit	y:	Unit of M	leasure: Direc	tion from City:		
Container Type: _	Co	ontainer Stoi	rage Capacity:	Unit of Measure:		
Facility Oil Storag	e Capacity: 239,91	4,931	Unit of Measure: G	Sallons		
Were Materials Di	scharged?	(Y/N)	Confidential? ((Y/N)		
CHRIS Code	Total Quantity		Water Impact (YES or NO)	Quantity into		
	Released	Measure	(YES OF NO)	Water	Measure	
					 	
		DECD	ONCE ACTION(C)			
			ONSE ACTION(S)			
Action(s) taken to	Correct, Control, o	or Mitigate In	ncident:			
Number of Injurie	s:		Number of Deaths: nber Evacuated:			
Evacuation(s):		_(Y/N) Nun	nber Evacuated:			
Was there any da	mage?(Y/	N) Medium	Affected:			
Description:						
More Information	about Medium:					
National Decrease	- O((MDO)-	4 000 404	2000			
	e Center (NRC):			04.4		
	ations (Circle all ap	plicable):	USCG EPA	State Othe	er	
Describe:						
NRC Incident Assigned No:						
Any information about the incident not recorded elsewhere in this report:						
Any information a	ibout the incident h	iot recoraea	eisewnere in this report:		_	
	N. P		()//// 5			
			(Y/N) Date Called:			
Calling for Respon			(Y/N) Time Called:		_	
NC	OTE: DO NOT DELAY	NOTIFICATIO	N PENDING COLLECTION O	F ALL INFORMATION.		

Note: Within 15 days after an incident involving a RCRA hazardous waste, a written report on the incident must be submitted to the Regional Administrator.

FIGURE 2.4 NOTIFICATION FLOWCHART



Acronyms

- NRC = National Response Center
- TERC = Texas Emergency Response Center
- TGLO = Texas General Land Office
- RRC = Railroad Commission
- TCEQ = Texas Commission on Environmental Quality
- LEPC = Local Emergency Planning Committee

FIGURE 2.5 EXTERNAL NOTIFICATION REFERENCES

REQUIRED EXTERNAL NOTIFICATIONS					
AGENCY	LOCATION	OFFICE	ALTERNATE		
National Response Center (NRC) USCG/EPA	Washington, DC	(800) 424-8802	(202) 267-2675		
State Emergency Response Commission (SERC)* TCEQ/GLO/RRC	Austin, TX	(800) 832-8224			
USCG Sector Houston-Galveston	Houston, TX	(281) 464-4854	(281) 464-4800		
USCG Vessel Traffic	Houston, TX	(281) 464-4837			
US Environmental Protection Agency Region VI	Dallas, TX	(800) 887-6063	(866) 372-7745		
		(214) 665-2200			
DOT Office of Pipeline Safety – HAZ MAT	Houston, TX	(713) 272-2859	EMERG. (800) 424-8802		
24 Hour Crisis Management Center		(202) 366-1863			
Southeast Regional LEPC	Pasadena, TX	(713) 475-5599 (OEP)	(713) 475-5588		
		(713) 477-1511 (Dispatch			
		for Duty Officer – 24 Hrs.)			
CAER Line		(281) 476-2237			

RECOMMENDED EXTERNAL NOTIFICATIONS					
AGENCY	LOCATION	OFFICE	ALTERNATE		
OSHA (For Reportable Injury or Death)	Washington, DC	(800) 321-6742 (24 Hrs.)	(281) 591-2438		
Texas General Land Office (TGLO)	Austin, TX	(800) 832-8224 (24 Hrs.)	(281) 470-6597 (La Porte, TX)		
Texas Railroad Commission (Pipeline Safety Division)	Houston, TX	(713) 869-8425 (Day)	(512) 463-6788 (24 Hrs.)		
Texas Commission on Environmental Quality (TCEQ)	Houston, TX	(800) 832-8224	(713) 767-3563		
Texas Railroad Commission (Oil and Gas Division)	Houston, TX	(713) 869-5001 (24 Hrs.)	(512) 463-6788 (24 Hrs.)		

^{*} Hotline answered by the Texas Department of Public Safety which will in turn notify TGLO, TCEQ and TRRC as applicable. Follow-up calls to all appropriate agencies are always advisable.

FIGURE 2.5 (Cont'd) EXTERNAL NOTIFICATION REFERENCES

ASSISTANCE/ADVISORY NOTIFICATIONS (outside resources)					
AGENCY	LOCATION	OFFICE	ALTERNATE		
U.S. Fish and Wildlife Service (USFWS)	Clear Lake, TX	(281) 286-8282 (24 Hrs.)			
NOAA Weather Service	Corpus Christi, TX	(361) 289-0959			
USACOE (EOPS Chief Gus Marinas)	Galveston, TX	(409) 766-3956	Duty Office (409) 766-3899		
Universal Weather	Houston, TX	(713) 944-1622			
National Weather Service (Recorded Forecast)	Dickinson, TX	(281) 337-5074			
Texas Parks and Wildlife Department	Austin, TX	(512) 389-4848	(281) 534-0130		
Texas Department of Public Safety	Austin, TX	(512) 424-2208			
Port of Houston Authority Police Dept.	Houston, TX	(713) 670-3620	(713) 670-2892 (Fax)		
City of Pasadena	Pasadena, TX	(713) 477-1511	(713) 475-5555 (Metro Action Line)		
City of Pasadena Police Department	Pasadena, TX	911	(713) 477-1221 (24 Hrs.)*		
City of Pasadena Fire Department	Pasadena, TX	911	(713) 475-5554 / (713) 475-1221 (24 Hrs.)*		
Bay Star Ambulance	Baytown, TX	(877) 777-7400 (Dispatch)	(281) 427-1554		
City of Pasadena Water Department	Pasadena, TX	(713) 475-5566			
City of Pasadena Fire Marshal's Office	Pasadena, TX	(713) 475-5556			
City of Pasadena City Marshal's Office	Pasadena, TX	(713) 475-7282			
CenterPoint	Houston, TX	(713) 207-2222	(713) 207-1111		
		(Outage Reports)	(281) 894-1625 (24 Hrs.)		
AT&T	Houston, TX	(800) 286-8313	(713) 802-9950		
Texas One Call System (Excavation)	Houston, TX 811	(800) 545-6005	On Line E Ticket		
Lone Star Notification Center (Excavation)	Houston, TX	811 / (800) 669-8344	(713) 432-0365		
Texas Excavation Safety System (Excavation)	Dallas, TX	(972) 231-5497	(713) 223-4567		
KTRH (740 AM Radio)	Houston, TX	(713) 212-8000	(713) 212-8740 (News Room) (24 Hrs.)		
Coastal Water Authority	Pasadena, TX	(713) 472-8225			
Harris County Public Health and	Pasadena, TX	(713) 274-6300 (24 Hrs.)	(713) 274-6475 Fax		
Environmental Services	Houston, TX	(713) 920-2831	(Upset Conditions)		

^{*} Designated primary emergency authority.

FIGURE 2.5 (Cont'd)

EXTERNAL NOTIFICATION REFERENCES

NEIGHBORS					
AGENCY	LOCATION	OFFICE	ALTERNATE		
Chevron/Texaco	Galena Park, TX	(713) 453-3581			
Harris County Washburn Tunnel	Galena Park, TX	(713) 455-0062			
Coastal Water Authority	Pasadena, TX	(713) 472-8225			
Kinder Morgan	Pasadena, TX	(713) 920-8450	(713) 473-9271		
Kinder Morgan	Galena Park, TX	(713) 450-7422	(713) 450-0400		
Gulf Coast Waste Disposal	Pasadena, TX	(713) 472-5507			
Steel and Pipe Supply	Pasadena, TX	(713) 472-5614			
Southwest Ship Yard	Pasadena, TX	(281) 860-3200	(281) 860-3215 (Fax)		
Port Terminal Railway	Pasadena, TX	(713) 393-6500	(713) 393-6509 (24 Hrs.)		
Wiggins Metals	Pasadena, TX	(713) 472-2057			

LOCAL EMERGENCY SERVICES

DIAL 911 for All Police, Fire, and Ambulance Emergencies

SERVICE	LOCATION	OFFICE	ALTERNATE
Deer Park Fire Department	Deer Park, TX	(281) 478-7281	(281) 479-1511
Deer Park Police Department	Deer Park, TX	(281) 478-2000	(281) 479-1511
Office of Emergency Management	Deer Park, TX	(281) 478-7298	(281) 478-7289 (Fax)
Galena Park Fire Department	Galena Park, TX	(713) 674-5311	
Galena Park Police Department	Galena Park, TX	(713) 675-3471	(713) 675-3472
Pasadena Police Department	Pasadena, TX	(713) 477-1221 (24 Hrs.)	
Pasadena Fire Department	Pasadena, TX	(713) 475-5554	(713) 475-1221 (24 Hrs.)
Harris County Sheriff	Houston, TX	(713) 221-6000	
Department of Public Safety	Austin, TX	(512) 424-2000	
F.B.I. – Houston	Houston, TX	(713) 693-5000	(713) 936-8900 (Fax)
Pasadena Fire Marshal	Pasadena, TX	(713) 475-5556	

FIGURE 2.5 (Cont'd)

EXTERNAL NOTIFICATION REFERENCES

LOCAL EMERGENCY SERVICES

DIAL 911 for All Police, Fire, and Ambulance Emergencies

SERVICE	LOCATION	OFFICE	ALTERNATE
Life Flight (Hermann Life Flight LD)	Houston, TX	(713) 704-4357	(713) 704-3590 Non-emergency
Ambulance			911
Memorial Hermann Southeast Hospital	Houston, TX	(281) 929-6100	
Bayshore Medical Center	Pasadena, TX	(713) 359-2000	
Memorial Hermann Hospital	Houston, TX	(713) 704-4000	

USCG CLASSIFIED OIL SPILL REMOVAL ORGANIZATIONS (OSRO)					
COMPANY LOCATION OFFICE ALTERNATE					
OMI Environmental Solutions	Pasadena, TX	(800) 645-6671 (24 Hrs.)			
Horizon Environmental	LaPorte, TX	(281) 479-5300 (24 Hrs.)	(866) 609-6208 (24 Hrs.)		
Clean Channel Association (CCA)	Pasadena, TX	(713) 534-6195 (24 Hrs.)	(713) 534-6197 (Fax)		

ADDITIONAL RESPONSE RESOURCES					
COMPANY	LOCATION	OFFICE	ALTERNATE		
CIMA	Deer Park, TX	(281) 476-5040	(281) 837-9191 (Dispatch) (713) 473-9191		
Witt O'Brien's LLC	Houston, TX	(281) 320-9796	(985) 781-0804 (24 Hrs.)		
Wildlife Center of TX	Houston, TX	(713) 861-9453 (8-5)	(713) 279-1417		
Wildlife Response SVC LLC	Seabrook, TX	(713) 705-5897	(281) 266-0054 PGR		
Consolidated Crane & Rigging (Cranes)	Houston, TX	(713) 641-3330 (24 Hrs.)	(888) 752-7263		
Rapid Environmental Services (Waste)	La Porte, TX	(281) 479-4376			
Williams Fire & Hazard Control (FF)	Spring, TX	(281) 999-0276 (24 Hrs.)	(409) 727-2347 (Vidor, TX) (24 Hrs.)		
Wild Well Control, Inc.	Houston, TX	(281) 784-4700	(281) 784-4750 (Fax)		
American Commercial Barge Lines	Channelview, TX	(800) 457-6377			
Kirby Inland Marine (Barge)	Channelview, TX	(713) 435-1600	(713) 435-1859 (24 Hrs.)		
T & T Marine Salvage Inc, (Salvage) (FF)	Galveston, TX	(281) 488-5757	(409) 744-1222 (24 Hrs.)		
Garner Environmental Services, Inc.	Deer Park, TX	(800) 424-1716 (24 Hrs.)	(281) 930-1200		

DISCHARGE PLANNING VOLUMES

	Worst Case	Planning Volumes			
Discharge Scenario	Potential Oil Group	EPA (Bbls)	USCG (Bbls)	DOT (Bbls)	Facility Maximum (Bbls)
Small/Average Most Probable	Group 4	50	50	N/A	50
Medium/Maximum Most Probable	Group 4	857	616	N/A	857
Worst Case	Group 4	523,970	6,164	40,516	523,970

AMPD INFORMATION

A۱	IPD Response Coverage Information	n for	
	sadena Refining System, Inc.	<u> </u>	
1.	AMPD response provider	(check one):	☑ Plan Holder ☐ OSRO
	If OSRO, company name(s):		Expiration date (Contract/other approved means)
2.	Equipment deployment personnel	are (check o	ne):
		☐ On recal	I
3.	Physical location (street address) of and qualified deployment personnel.	AMPD equipme	ent (boom/skimmer/temporary storage)
	Equipment Address (*-1hour res	ponse time):	
	Boom: Warehouse at West Plant		
	Equipment Address (*-2hour res	ponse time)	
	Skimmer:		
	Warehouse at West Plant	<u></u>	
	Temporary Storage:		
	At site		
	Planning Assumptions: On-water speed	l, 5 knots; land speed,	35 miles per hour; notification/mobilization – 30 minutes

3.1 INITIAL RESPONSE ACTIONS

FIRST PRSI PERSON NOTIFIED/ON SCENE			
•	Follow the appropriate "Specific Incident Response Checklist" in Figure 3.1 and "Product Specific Response Considerations" in Figure 3.2.		
•	Notify Refinery Management and QI/AQI of the incident.		
•	Utilize in-house and local emergency services as necessary (police, fire, medical).		
REFINI	ERY MANAGEMENT		
•	Evaluate the Severity , Potential Impact, Safety Concerns, and Response Requirements based on the initial data provided by the first person on scene.		
•	Assume the role of Incident Commander.		
•	Confirm safety aspects at site, including need for personal protective equipment, sources of ignition, and potential need for evacuation.		
•	Activate the Incident Management Team, Volunteer Emergency Response Team, Channel Industries Mutual Aid, and primary response contractors , as the situation demands.		
•	Coordinate/perform activation of additional spill response contractors , as the situation demands (telephone reference is provided in Figure 2.5).		
•	Notify the Manager of Oil Movements for all vessel and tank incidents.		
•	Notify Refinery Manager . Provide incident briefing and coordinate activation of the Incident Management Team, as the situation demands.		
•	Coordinate/perform regulatory agency notification , as the situation demands, (notification procedures and telephone references are provided in Figures 2.4 and 2.5 respectively).		
•	Proceed to spill site and coordinate response and clean-up operations.		
•	Direct containment, dispersion, and/or clean-up operations in accordance with the Product Specific Response Considerations provided in Figure 3.2.		
INCIDE	NT MANAGEMENT TEAM		
•	Assigned personnel will immediately respond to a discharge from the Facility, as the situation demands.		
•	Perform response/clean-up operations as directed or coordinated by the Incident Commander.		
•	Assist as directed at the spill site.		

Remember, Without Exception, Personnel Safety Is First Priority. Excessive Exposure To The Vapor And Liquid Phases Of The Spilled Product Should Be Avoided.

Prior to arrival of the Qualified Individual or Alternate Qualified Individual, Facility personnel shall initiate response activities and supervise response resources in accordance with the following guidelines, as applicable and appropriate.

•	Approach from upwind side and advise all personnel in the area.
•	Take appropriate personal protective measures.
•	Report incident by using emergency radio #1 or dial 1399 and report incident to the Security Control. Provide the following information:
	 Name Location Nature of incident Injuries Source or material If known resources needed
•	If safe to do so, restrict access to the spill site and adjacent area as the situation demands. Be aware and eliminate any ignition sources in the area. Take any other steps necessary to minimize any threat to human health and environment.
•	Verify type of product and quantity released and request an SDS.
•	If safe to do so, identify/isolate the source to minimize spill/loss of product.
•	Use testing and sampling equipment to determine potential safety hazards.

INITIAL RESPONSE

LINE PIPING, BREAK, LEAK OR RUPTURE

•	Shut down pumping equipment.
•	Close upstream and downstream block valves. If safe and appropriate, use pumps or the line or vacuum trucks to remove product if applicable.
•	Utilize Combustible Gas Indicator, O_2 meter, proper colorimetric indicator and other air sampling (<i>i.e.</i> Benzene and H_2S) measurements to assure that areas are safe to enter for continued response operations. All hazards of each specific material encountered should be considered.
•	Mitigate spreading of the product, as the situation demands. Potential containment strategies include:
	 Earthen dike/berm Ditching Spreading sorbent material over the spill
•	Prevent the spill from entering areas such as waterways, sewers, etc. to the greates extent possible.
•	Determine the direction and expected duration of spill movement. Refer to the maps in Section 6.0.
•	If located within containment area, insure that drainage valve(s) is "closed".
•	Drain the line section, as the situation demands.
•	Request Internal Security or local authorities to establish traffic control in the area, as the situation demands.
•	Make all necessary repairs.
•	Return the line/rack to service when repairs are complete.
•	Clean up spilled product to eliminate any possible environmental problems and dispose of all wastes according to Regulatory Requirements. Be alert for underground cables
•	If the spill escapes the containment area, review the location of socio-economic and environmentally sensitive areas identified in Section 6.0. Determine which of these may be threatened by the spill and direct the response operation to these locations. Initiate protection, diversion, and recovery actions.
•	Inform local operators such as utilities, telephone company, railway as necessary.
•	Complete follow-up and written reporting, as the situation demands.
•	If necessary, call one (1) of the approved remediation companies to remove the remaining contaminated soils and residue from the containment area. Contact PRS Environmental Department to assist in coordinating the waste removal methods and to remove waste from the Facility for disposal.

LINES UNDER PRESSURE

•	Shut down pumping equipment.
•	Close upstream and downstream block valves. If safe and appropriate, use pumps on the line or vacuum trucks to remove product.
•	Pressured lines may be vented to the flares to avoid a spill's increase/impact. Not all lines have flare connections.
•	Utilize Combustible Gas Indicator, O_2 meter, proper colorimetric indicator and other air sampling measurements to assure that areas are safe to enter for continued response operations.
•	Mitigate spreading of the product, as the situation demands. Potential containment strategies include:
	 Earthen dike/berm Ditching Spreading sorbent material over the spill
•	Prevent the spill from entering areas such as waterways, sewers, etc. to the greatest extent possible.
•	Determine the direction and expected duration of spill movement. Refer to the maps in Section 6.0.
•	If located within containment area, insure that drainage valve(s) is "closed".
•	Drain the line section, as the situation demands.
•	Request Internal Security or local authorities to establish traffic control in the area, as the situation demands.
•	Make all necessary repairs.
•	Return the line/rack to service when repairs are complete.
•	Clean up spilled product to eliminate any possible environmental problems. Be alert for underground cables.
•	If the spill escapes the containment area, review the location of socio-economic and environmentally sensitive areas identified in Section 6.0. Determine which of these may be threatened by the spill and direct the response operation to these locations. Initiate protection, diversion, and recovery actions.
•	Inform local operators such as utilities, telephone company, railway as necessary.
•	Complete follow-up and written reporting, as the situation demands.
•	If necessary, call one (1) of the approved remediation companies to remove the remaining contaminated soils and residue from the containment area. Contact PRSI Environmental Department to assist in coordinating the waste removal methods and to remove waste from the Facility for disposal.

STORAGE TANK LEAKS AND OVERFLOWS

•	Shut down all tank battery product movement operations and isolate the tank.
•	Ensure that the containment area drainage valve(s) is "closed".
•	If near tank bottom, fill tank with water and maintain water bottom to suspend the discharge.
•	Utilize Combustible Gas Indicator, O_2 meter, proper colorimetric indicator and other air sampling measurements to assure that areas are safe to enter for continued response operations.
•	Block drainage of spilled material from traveling offsite.
•	Stop all traffic in hazardous area (inside and outside of property boundaries), as the situation demands.
•	Remove product from containment (at a sump or in a low area) with an explosion proof pump, oil skimmer, and/or vacuum truck w/ skimmer attachments.
•	Process recovered product through the recovered oil system and the residual through the wastewater treatment system.
•	Determine the direction and expected duration of spill movement. Refer to the maps in Section 6.0.
•	Empty tank as soon as possible.
•	Transfer contents to alleviate overflow as applicable.
•	Make all necessary repairs. Return the line/tank to service when repairs are complete and tested.
•	Clean up product spill to eliminate any possible environmental problems. Be alert for underground cables.
•	If necessary, call one (1) of the approved remediation companies to remove the remaining contaminated soils and residue from the containment area. Contact PRSI Environmental Department to assist in coordinating the waste removal methods and to remove waste from the Facility for disposal.
•	If the spill escapes the containment area, review the location of socio-economic and environmentally sensitive areas identified in Section 6.0 and ACP. Determine which of these may be threatened by the spill and direct the response to these locations. Initiate protection and recovery actions.
•	Inform local operators such as utilities, telephone company, railway as necessary.

LEAK OR SPILL DURING TRUCK LOADING/UNLOADING OPERATIONS

 Tepresentatives from the Safety and Environmental Departments. Utilize Combustible Gas Indicator, O₂ meter, proper colorimetric indicator and other a sampling measurements to assure that areas are safe to enter for continued respons operations. If level of vapors are high, do not attempt to enter area until Voluntee Emergency Response Team is on site and takes appropriate action. If safe to do so, collect residual product with explosion proof pump or vacuum truck. Absorb spill with absorbent pads. If necessary dam area with absorbent booms. Plac spill stoppers over any catch basins to keep product from entering any waterway of storm sewers. Fire Danger. Care should be taken in working with a spill that a serious fire hazard is not created by recovery attempts. In many cases, small amounts of gasoline might best be treated by containment and evaporation to minimize the risk of fire. It is of utmost importance that unauthorized persons and equipment be kept out of the area when spill has occurred involving a flammable liquid. Area Declared Safe. Do not start any trucks until all product is flushed and vapors of the same and the sam	•	Take no risks with personal safety.
 Discontinue all loading operations and stop all traffic from entering the area. Do not move any truck from area until area is secured and until authorized b representatives from the Safety and Environmental Departments. Utilize Combustible Gas Indicator, O₂ meter, proper colorimetric indicator and other a sampling measurements to assure that areas are safe to enter for continued respons operations. If level of vapors are high, do not attempt to enter area until Voluntee Emergency Response Team is on site and takes appropriate action. If safe to do so, collect residual product with explosion proof pump or vacuum truck. Absorb spill with absorbent pads. If necessary dam area with absorbent booms. Plac spill stoppers over any catch basins to keep product from entering any waterway of storm sewers. Fire Danger. Care should be taken in working with a spill that a serious fire hazard is not created by recovery attempts. In many cases, small amounts of gasoline might best be treated by containment and evaporation to minimize the risk of fire. It is of utmost importance that unauthorized persons and equipment be kept out of the area when a spill has occurred involving a flammable liquid. Area Declared Safe. Do not start any trucks until all product is flushed and vapors of fumes have cleared the area and the Shift Supervisor declares the emergency over an 	•	Try to stop flow of product but only if it can be done safely.
 Do not move any truck from area until area is secured and until authorized be representatives from the Safety and Environmental Departments. Utilize Combustible Gas Indicator, O₂ meter, proper colorimetric indicator and other a sampling measurements to assure that areas are safe to enter for continued respons operations. If level of vapors are high, do not attempt to enter area until Voluntee Emergency Response Team is on site and takes appropriate action. If safe to do so, collect residual product with explosion proof pump or vacuum truck. Absorb spill with absorbent pads. If necessary dam area with absorbent booms. Place spill stoppers over any catch basins to keep product from entering any waterway of storm sewers. Fire Danger. Care should be taken in working with a spill that a serious fire hazard is not created by recovery attempts. In many cases, small amounts of gasoline might best be treated by containment and evaporation to minimize the risk of fire. It is of utmost importance that unauthorized persons and equipment be kept out of the area when spill has occurred involving a flammable liquid. Area Declared Safe. Do not start any trucks until all product is flushed and vapors of fumes have cleared the area and the Shift Supervisor declares the emergency over and 	•	Evacuate personnel from the area, as the situation demands.
 Utilize Combustible Gas Indicator, O₂ meter, proper colorimetric indicator and other a sampling measurements to assure that areas are safe to enter for continued respons operations. If level of vapors are high, do not attempt to enter area until Voluntee Emergency Response Team is on site and takes appropriate action. If safe to do so, collect residual product with explosion proof pump or vacuum truck. Absorb spill with absorbent pads. If necessary dam area with absorbent booms. Plac spill stoppers over any catch basins to keep product from entering any waterway of storm sewers. Fire Danger. Care should be taken in working with a spill that a serious fire hazard is not created by recovery attempts. In many cases, small amounts of gasoline might best be treated by containment and evaporation to minimize the risk of fire. It is of utmost importance that unauthorized persons and equipment be kept out of the area when spill has occurred involving a flammable liquid. Area Declared Safe. Do not start any trucks until all product is flushed and vapors of fumes have cleared the area and the Shift Supervisor declares the emergency over and 	•	Discontinue all loading operations and stop all traffic from entering the area.
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 Absorb spill with absorbent pads. If necessary dam area with absorbent booms. Place spill stoppers over any catch basins to keep product from entering any waterway of storm sewers. Fire Danger. Care should be taken in working with a spill that a serious fire hazard is not created by recovery attempts. In many cases, small amounts of gasoline might best be treated by containment and evaporation to minimize the risk of fire. It is of utmost importance that unauthorized persons and equipment be kept out of the area when spill has occurred involving a flammable liquid. Area Declared Safe. Do not start any trucks until all product is flushed and vapors of fumes have cleared the area and the Shift Supervisor declares the emergency over and 	•	Utilize Combustible Gas Indicator, O_2 meter, proper colorimetric indicator and other air sampling measurements to assure that areas are safe to enter for continued response operations. If level of vapors are high, do not attempt to enter area until Volunteer Emergency Response Team is on site and takes appropriate action.
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	•	Area Declared Safe. Do not start any trucks until all product is flushed and vapors of fumes have cleared the area and the Shift Supervisor declares the emergency over and safe to resume operations.

MARINE OPERATION SPILLS/LEAKS

•	Use all appropriate emergency shutdown systems.
•	Shut down all engines/motors.
•	Block all line and ship manifold discharge valves.
•	If hose rupture, drain line into barge, drums, buckets, and block line to stop spill into water.
•	Notify Security Control at extension 1399.
•	Notify Oil Movements Supervisor.
•	Utilize Combustible Gas Indicator, O_2 meter, proper colorimetric indicator and other air sampling measurements to assure that areas are safe to enter for continued response operations.
•	If other than hose rupture, determine source of leak and stop if safe to do so.
•	Prevent discharge from entering the water if at all possible by:
	 Pumping from sump or deck drainage system into drums, tanks, containment area, or other storage facility. Directing the flow into a containment or collection area away from the water, if feasible. Placing containment boom or sorbent material around area (provided that a safe operating environment exists).
•	If the product enters the water and a safe operating environment exists, try to contain by:
	 Deploying spill response equipment (facility and/or contract) to prevent/ mitigate spill impact (spreading of spill). Attempting to divert/contain the spill: In quiet area or low current areas of the water. Away from strong winds or in areas that could be affected by change in wind direction. Away from areas of hazard to public, property improvements, marinas, water intakes, etc.
•	In the event of a gasoline spill, prevent any personnel or boats from entering area. Do not attempt to collect or contain product that has entered waterway.

MARINE OPERATION SPILLS/LEAKS, (Cont'd)

•	Make all necessary repairs.
•	Return the line/vessel to service when repairs are complete.
•	Clean up spilled product to eliminate any possible environmental problems. Be alert for underground cables.
•	If the spill escapes the containment area, review the location of socio-economic and environmentally sensitive areas identified in Section 6.0 and the ACP. Determine which of these may be threatened by the spill and direct the response operation to these locations. Initiate protection and recovery actions.
•	Request local authorities (USCG, Marine Patrol, Harbor Police, etc.) to establish traffic control in the area, as the situation demands.
•	Inform local operators such as utilities, telephone company, railway as necessary.
•	Complete follow-up and written reporting, as the situation demands.
Note:	Overall response operations will be conducted under the Incident Command System with adequate Facility and Contract Response personnel to continue operations for a minimum of seven (7) days.
ABN	NORMAL PIPELINE OPERATIONS
ABN	If operating design limits have been exceeded (increase or decrease pressure or flow) and no emergency condition exists, stop operations and immediately investigate the pipeline.
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•	 If operating design limits have been exceeded (increase or decrease pressure or flow) and no emergency condition exists, stop operations and immediately investigate the pipeline. Verify whether a true safety problem, equipment malfunction, or operator error is
•	 If operating design limits have been exceeded (increase or decrease pressure or flow) and no emergency condition exists, stop operations and immediately investigate the pipeline. Verify whether a true safety problem, equipment malfunction, or operator error is present. If the situation is due to malfunctioning equipment, can transfer operations continue safely? If yes, begin MOC Process, when complete then bypass the faulty equipment until the completion of the transfer and make appropriate repairs. Note: In all cases,
• _	If operating design limits have been exceeded (increase or decrease pressure or flow) and no emergency condition exists, stop operations and immediately investigate the pipeline. Verify whether a true safety problem, equipment malfunction, or operator error is present. If the situation is due to malfunctioning equipment, can transfer operations continue safely? If yes, begin MOC Process, when complete then bypass the faulty equipment until the completion of the transfer and make appropriate repairs. Note: In all cases, safety to operations, the general public, and property will govern actions taken. If the transfer can not continue safely, make appropriate repairs before continuing operations. Note: Corrective action will only be done by qualified personnel to
•	If operating design limits have been exceeded (increase or decrease pressure or flow) and no emergency condition exists, stop operations and immediately investigate the pipeline. Verify whether a true safety problem, equipment malfunction, or operator error is present. If the situation is due to malfunctioning equipment, can transfer operations continue safely? If yes, begin MOC Process, when complete then bypass the faulty equipment until the completion of the transfer and make appropriate repairs. Note: In all cases, safety to operations, the general public, and property will govern actions taken. If the transfer can not continue safely, make appropriate repairs before continuing operations. Note: Corrective action will only be done by qualified personnel to perform the type of work involved.

FIGURE 3.1 (Cont'd)

SPECIFIC INCIDENT RESPONSE CHECKLIST

EQUIPMENT FAILURE

Shut down all engines/motors.
Close upstream and downstream block valves. If applicable, use pumps on the line or vacuum trucks to remove product.
Utilize Combustible Gas Indicator, O_2 meter, proper colorimetric indicator and other air sampling measurements to assure that areas are safe to enter for continued response operations.
If safe to do so, mitigate spreading of the product, as the situation demands. Potential containment strategies include:
 Earthen dike/berm Ditching Spreading sorbent material over the spill
Prevent the spill from entering areas such as waterways, storm and process sewers, etc. to the greatest extent possible.
If located within containment area, insure that drainage valve(s) is "closed".
Drain the line section, as the situation demands.
Request Internal Security or local authorities to establish traffic control in the area, as the situation demands.
Make all necessary repairs.
Return the line/rack to service when repairs are complete.
Clean up spilled product to eliminate any possible environmental problems. Be alert for underground cables.
If the spill escapes the containment area, review the location of socio-economic and environmentally sensitive areas identified in Section 6.0. Determine which of these may be threatened by the spill and direct the response operation to these locations. Initiate protection, diversion, and recovery actions.
Inform local operators such as utilities, telephone company, railway as necessary.
Complete follow-up and written reporting, as the situation demand

EXPLOSIONS AND/OR FIRE

INDIVIDUAL DISCOVERING THE FIRE - (All Employees)

____ Call security control at extension 1399. Security control initiates the refinery alarm system. Security control initiates activation by request of Shift Safety Personnel, the Incident Management Team (IMT) and/or Volunteer Emergency Response Team (VERT), internal and external notifications. Secure the operation by activating emergency shutdown procedures, close valves, etc., if safe to do so. Notify Refinery Management or the supervisor on duty. Return to the scene of the fire and, if safe, attempt to extinguish same with the nearest fire equipment available. In the event the fire is too large for an individual to fight alone, the individual sounding the alarm or making the phone call should stand by at a safe distance to direct the VERT to the scene of the fire and keep personnel and vehicles from entering the danger area. Drivers with trucks at or near the incident should turn off truck and report to assigned muster, rally, or evacuation point(s) and await further instructions. For dock fires, cease all marine and transfer operations. Close all manifold valves and secondary valves pertaining to the dock. Prepare foam system while awaiting arrival of the VERT and ensure that gates are open for emergency vehicles. For ground fires, apply cooling water to all flame exposed metal. Stop the flow of product feeding the fire. Evacuate area, as the situation demands.

FIGURE 3.1 (Cont'd) SPECIFIC INCIDENT RESPONSE CHECKLIST

EXPLOSIONS AND/OR FIRE, (Cont'd)

INDIVIDUAL DISCOVERING THE FIRE (in the absence of Supervision)

•	In the event of fire in the absence of a member of supervision or the Refinery Operator, any PRSI employee on duty is designated as the individual in charge until relieved of duty.
•	The individual discovering the fire will adhere to the instructions issued in the PRSI EAP.
•	Ensure security control (1399) and immediate supervision is notified by telephone or radio.
•	Prior to the arrival of a member of supervision, the individual will remain in charge and will direct the VERT to the scene of the fire.

All personnel are reminded that outsiders other than emergency services will not be allowed in the Refinery during the time of an emergency, and that no statements will be issued to the media or other interested parties except by designated Refinery management. Be courteous with media representatives and direct them to the designated spokesman.

FIGURE 3.1 (Cont'd) SPECIFIC INCIDENT RESPONSE CHECKLIST

VAPOR CLOUD (from a massive spill, line rupture, etc.)

The person who discovers the vapor cloud will notify the security control at extension 1399 or ER, Radio Channel #1 or supervisor on duty and vacate the area.

Remember: the only proper action in the presence of a vapor cloud is to get away from it. Do not shut off electrical equipment.

All personnel will report to the evacuation rally point (north, south, east or west) for roll call and further instructions.

After all personnel have been accounted for Security Control, Refinery Management, Supervisor, or Gauger/Operator will initiate the following actions as deemed necessary:

Notify the Security Control at extension 1399.
Shut down transfer operations.
Evacuation of adjacent property.
Only the fire department will be permitted to enter the affected area.

Contact the appropriate agencies and potentially affected neighbors (refer to Figure 2.5).

FIGURE 3.2

PRODUCT SPECIFIC RESPONSE CONSIDERATIONS for GASOLINE SPILLS, LINE BREAKS OR TANKS

Flash Point Range:

Below 100°F

Remember, Without Exception, Personnel Safety Is First Priority. Excessive Exposure To The Vapor And Liquid Phases Of The Spilled Product Should Be Avoided.

Suggested physical response actions for these products are detailed below. It is important to note however, that each situation is unique and must be individually responded to. These procedures are considerations only. Actual circumstances may dictate that procedures followed may differ somewhat from those listed below. **The following are intended for guideline purposes only.**

These materials float on water and are extremely flammable. Containment of these materials may allow explosive concentrations to accumulate. The preferred response is to minimize impact to water and protect shorelines (storm sewers, creeks, rivers, etc.) from contamination, allow evaporation to occur, and contain/clean-up remaining product.

	Identify source and stop discharge if possible.
_	Make appropriate notifications to regulatory agencies and internal PRSI Management/Environmental Support. (Refer to Figure 2.5 for notifications.)
_	Obtain explosimeter and other air sampling measurements to assure that areas are safe to enter for continued response operations.
	Eliminate sources of vapor ignition.
	Stay upwind and evacuate nonessential personnel.
_	Advise people in the area of any potential threat and/or initiate evacuation. Inform local operators such as utilities, telephone company, railway, and tunnels as the situation demands.
_	Minimize area of surface soil impacted by free product (e.g. damming). Contact with surface runoff or standing water should be prevented whenever possible.
	Recover pooled hydrocarbon as soon as possible.
	Free hydrocarbons may be floated with water to aid recovery if increased vapors and agitation can be avoided. The water will act as a barrier to reduce further infiltration of pure hydrocarbon into the soil. (NOTE: This water will later have to be removed and probably treated.)
	If free hydrocarbon IS NOT present, do not add water to the impacted area.

FIGURE 3.2 (Cont'd)

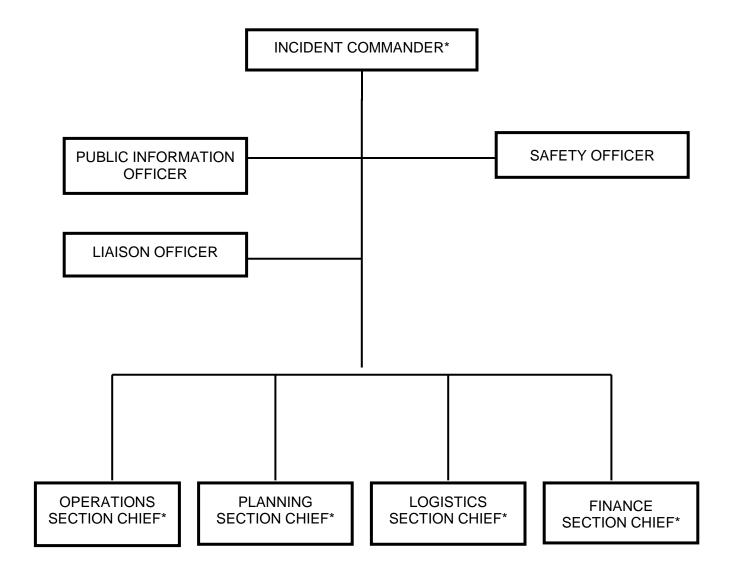
PRODUCT SPECIFIC RESPONSE CONSIDERATIONS for GASOLINE SPILLS, LINE BREAKS OR TANKS

_	Remove heavily impacted soil (saturated with hydrocarbons, or very strong hydrocarbon smell) as soon as possible after product/water removal.
_	Place in a <u>bin/rolloff</u> or a waste pile lined on the bottom and covered on the top with plastic sheeting to <u>prevent contact with rainwater and contamination of other areas</u> .
	Drums may be used for very small spill cleanups.
	If removal of heavily-impacted soil is delayed or contaminated soil is left in place pending final disposition, the following action should be taken if the possibility of rain exists to minimize contact with rainfall:
	Cover area with plastic sheeting, overlap seams, weigh down with sandbags; Use shallow ditches to divert rainwater around contaminated site; and Promptly remove any rainwater that does accumulate on the site.
_	The following steps should be taken together with Environmental Support to minimize long term risk from the site:
	Sample contaminated soil still in place; Characterize and dispose of removed soil; Estimate proper cleanup target; Remove and dispose of more soil, if necessary; Install groundwater monitoring wells or monitor existing wells, if necessary; and Provide follow-up communication with regulatory agencies, if necessary.
	Recover the product and affected soil. Be alert for underground cables and water bearing formations. Remember that product may penetrate deeper if impermeable natural layers are disturbed.
	Due to the low flash point of these products: (1) Use non-sparking systems, (2) Have fire trucks or firefighting equipment nearby, (3) Warn all involved of the product's flammability, and (4) Allow product to evaporate to the greatest extent possible.
—	Determine the direction and expected duration of spill movement. Refer to the maps provided in Figure 6.3 for an overview of the area.
	Request local authorities to establish traffic control in the area and to post a "High Flammability" advisory, as the situation demands.
_	If the spill escapes the containment area, review the location of socio-economic and environmentally sensitive areas identified in Section 6.0. Determine which of these may be threatened by the spill and direct the response operation to these locations. Initiate protection and recovery actions.

FIGURE 4.1

INCIDENT MANAGEMENT TEAM

(Level 1 or Level 2 Incidents)

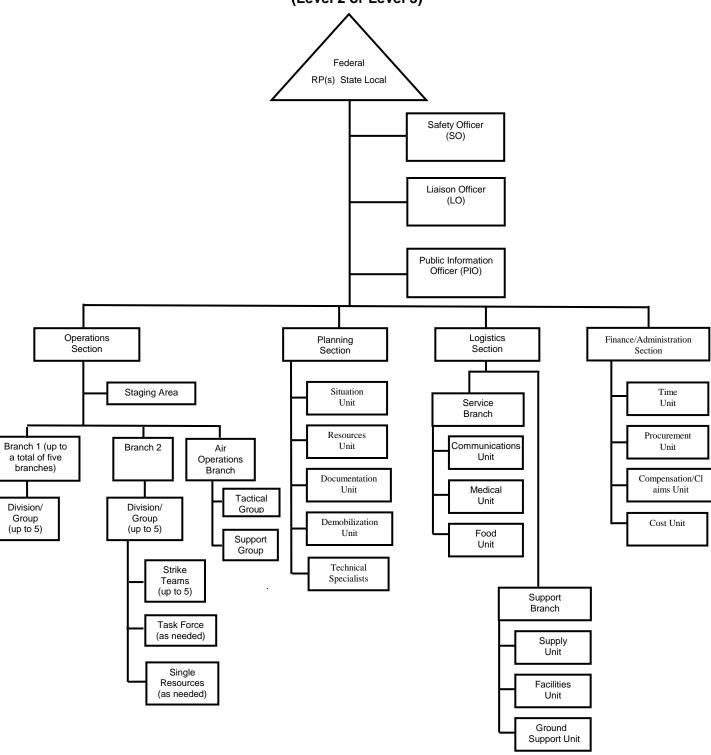


* NOTE: Incident Management Team (IMT) personnel can assume any of these positions as necessary.

FIGURE 4.2

PASADENA REFINING SYSTEM, INC. INCIDENT MANAGEMENT TEAM

(Level 2 or Level 3)



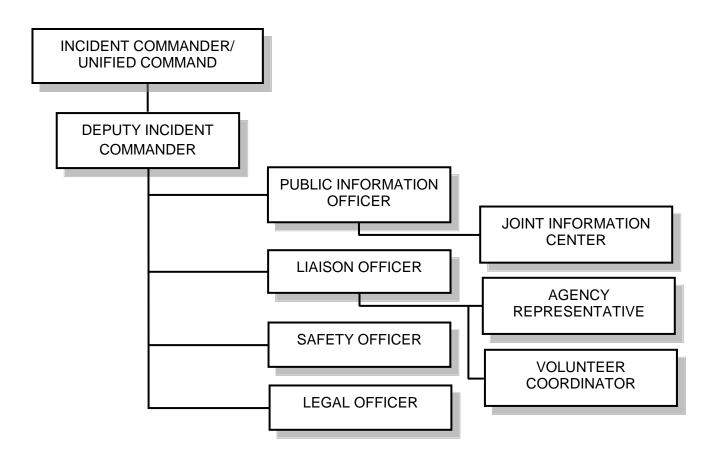
Corporate Support and/or Witt O'Brien's to provide staff in a manner commensurate with required spill cleanup operations.

INCIDENT MANAGEMENT TEAM ROLES AND RESPONSIBILITIES COMMON RESPONSIBILITES

Upon check-in, receive briefing from Incident Commander (IC), Section Chief, Unit Leader, or Branch Director as appropriate.

- Determine status of unit activities.
- Participate in meetings as appropriate.
- Comply with all safety practices and procedures, and report unsafe conditions to your immediate supervisor and the Safety Officer (SOFR).
- Use clear text and ICS terminology in all radio communications no codes.
- Complete forms and reports required of assigned position.
- Ensure proper disposition of incident documentation as directed by the Documentation Unit.
- Determine resource needs.
- Order additional unit staff as appropriate.
- Confirm dispatch and estimated time of arrival of staff and supplies.
- Assign duties to and supervise staff.
- Maintain accountability for assigned personnel with regard to exact location(s), personal safety, and welfare at all times, especially when working in or around incident response operations.
- Ensure equipment is operational prior to each work period.
- Supervise demobilization of unit, including storage of supplies.
- Provide the Supply Unit Leader (SPUL) with a list of supplies to be replenished.
- Maintain unit records, including a Unit Log (ICS 214).
- Maintain a personal log of actions, decisions, and events if desired.

COMMAND



INCIDENT COMMANDER (IC)

The Incident Commander's (IC) responsibility is the overall management of the incident. The IC is selected based on qualifications and experience.

The IC may have Deputy ICs, who may be from the same organization or from an assisting agency. The Deputy IC must have the same qualifications as the IC, as they must be ready to take over that position at any time. When span of control becomes an issue for the IC, a Deputy IC may be assigned to manage the Command Staff.

The major responsibilities of the IC are:

- Review Common Responsibilities.
- Assess the situation and/or obtain a briefing from the prior IC (ICS 201).
- Determine incident objectives and general direction for managing the incident.
- Establish priorities.
- Establish an appropriate ICS organization.
- Establish an Incident Command Post (ICP).
- Brief Command Staff and Section Chiefs.
- Ensure planning meetings are scheduled as required.
- Approve and authorize the implementation of an Incident Action Plan (IAP).
- Approve the Site Safety and Health Plan, if developed.
- Ensure that adequate safety measures are in place.
- Coordinate activity for all Command and General Staff.
- Identify and coordinate with key people and officials.
- Approve requests for additional resources or for the release of resources.
- Keep agency administrator informed of incident status.
- Approve the use of trainees, volunteers, and auxiliary personnel.
- Authorize release of information to the news media.
- Ensure incident Status Summary (ICS 209) is completed and forwarded to appropriate higher authority.

INCIDENT COMMANDER (IC) (Cont'd)

- Order the demobilization of the incident when appropriate.
- Maintain Unit Log (ICS 214) and Forward to the Documentation Unit Leader (DOCL) for disposition.
- Assign any of the IC roles and responsibilities to a Deputy IC as needed.

LEGAL OFFICER

- Review Common Responsibilities.
- Participate in planning meetings, if requested.
- Advise on legal issues relating to in-situ burning, use of dispersants, and other alternative response technologies.
- Advise on legal issues relating to differences between Natural Resource Damage Assessment (NRDA) and response activities.
- Advise on legal issues relating to investigations.
- Advise on legal issues relating to finance and claims.
- Advise on legal issues relating to response.
- Maintain Unit Log (ICS 214) and forward to DOCL for disposition.

LIAISON OFFICER (LOFR)

Incidents that are multi-jurisdictional, or have several organizations involved, may require the establishment of the Liaison Officer (LOFR) position on the Command Staff. The LOFR is a conduit of information and assistance between organizations and does not normally have delegated authority to make decisions on matters affecting an organization's participation in the incident.

The major responsibilities of the LOFR are:

- Review Common Responsibilities.
- Serve as the primary coordinator for the liaison network, including Agency Representatives (AREP) and state, tribal, and local governments.
- Maintain a list of assisting and cooperating agencies and AREPs, including name, agency and contact information. Monitor check-in sheets daily to ensure that all AREPs are identified.
- Assist in establishing and coordinating interagency contacts.

LIAISON OFFICER (LOFR) (Cont'd)

- Participate in Command and General Staff Meetings, Planning Meetings, Operations Briefings, and other meetings and briefings as required.
- Assist in development of the Information Management Plan.
- Develop stakeholder coordination plan, including periodic public meeting schedules, if needed.
- Implement the Information Management Plan.
- Keep organizations supporting the incident response aware of incident status.
- Arrange consultations with federally recognized tribes as appropriate.
- Monitor incident operations to identify current or potential inter-organizational problems.
- Determine the need for a Volunteer Coordinator.
- Coordinate response resource needs for Natural Resource Damage Assessment (NRDA) activities with the Operations Section Chief (OSC) during oil spill and hazardous substance release responses.
- Coordinate response resource needs for incident investigation activities with the OSC.
- Coordinate with PIO on media and stakeholder communications about risk perceptions.
- Coordinate information sharing and distribution with the PIO.
- Coordinate with PIO to develop and implement social media strategy by providing input on social media uses and interface with stakeholders and the public.
- Coordinate with the Environmental unit Leader to address stakeholder and public risk perceptions by assessing pollutant/hazard situation and obtaining technical content for stakeholder engagement.
- Coordinate activities of visiting dignitaries.
- Brief Command on agency issues and concerns.
- Ensure that all required agency forms, reports and documents are completed prior to demobilization.
- Have debriefing session with the IC prior to demobilization.
- Maintain Unit Log (ICS 214) and forward to DOCL for disposition.

SAFETY OFFICER (SOFR)

The Safety Officer (SOFR) is to develop and recommend measures to ensure personnel safety and occupational health of not only response workers, but also the public, and to anticipate, recognize, assess, and control hazardous and unsafe conditions or situations.

There is only one SOFR for each incident; however, the SOFR may have Assistance Safety Officers (ASOFs), or Technical Specialists (THSPs) as needed.

The major responsibilities of the SOFR are:

- Review Common Responsibilities.
- Ensure an incident-specific Health and Safety Plan, required by 29 CFR 1910.120, is developed specifically for the incident response. The Site Safety and Health Plan (ICS 208-CG) is a tool designed to assist in meeting the requirements of a HASP under 29 CFR 1910.120.
- Participate in Tactics and Planning Meetings, and other meetings and briefings as required.
- Identify hazardous situations associated with the incident.
- Review the Incident Action Plan (IAP) for safety and occupational health implications.
- Provide safety and occupational health advice in the IAP for assigned responders.
- Use Risk Based Decision Making (RBDM) methodologies to conduct Operational Risk Management (ORM) for the incident.
- Develop and implement intervention measures to prevent unsafe acts.
- Stop observed or reported unsafe acts. (Seek guidance and clarity from the IC/UC on the scope and limitation of authority.)
- Investigate accidents that have occurred within the incident area and determine if new safety and occupational health measures are needed.
- Identify, communicate and document safety, occupational, and environmental health hazards, needs, and concerns.
- Track and report accidents, injuries, and illnesses.
- Support reporting of accidents and mishaps using the Incident Mishap Reporting Record (ICS 237).
- Ensure all contractors and volunteers hired/brought in, meet and are aware of appropriate safety/health training levels, the HASP, and safety/health measures to achieve the response strategies. (A translator may be needed to achieve this goal.)
- Identify the need for and assign deputies, assistants, and THSPs as needed.

SAFETY OFFICER (SOFR) (Cont'd)

- Review and provide input to the Medical Plan (ICS 206).
- Review and provide input to the traffic plan, if developed, for both land and vessel traffic.
- Develop the Incident Action Plan Safety Analysis (ICS 215a) to document hazards as well as mitigation strategies.
- Serve as the IC/UC representative in meetings with federal, state, or local occupational safety and health authorities and stakeholders.
- Brief Command on safety and occupational health issues and concerns.
- Ensure that all required organization forms, reports, and documents are completed prior to demobilization.
- Have debriefing session with the IC prior to demobilization.
- Maintain Unit Log (ICS 214) and forward to the Documentation Unit Leader (DOCL) for disposition.

PUBLIC INFORMATION OFFICER (PIO)

The Public Information Officer (PIO) is responsible for developing and releasing information about the incident to the media and public. The PIO may have assistants as necessary, and the assistants may come from other assisting organizations.

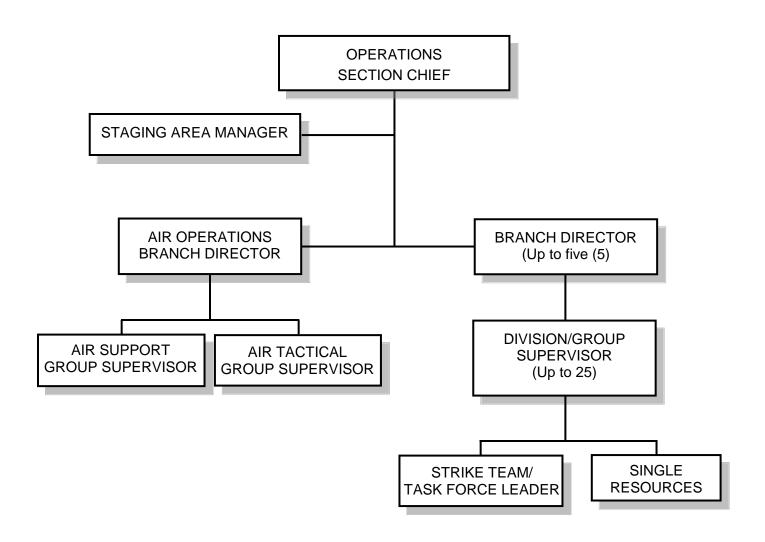
The major responsibilities of the PIO are:

- Review Common Responsibilities.
- Determine from the IC if there are any limits on information release.
- Develop media strategy and public information plan.
- Represent and advise the IC on all public information matters relating to the incident.
- Develop material for use in media briefings.
- Obtain IC approval of media releases.
- Inform media and conduct media briefings.
- Monitor and utilize social media as approved by the IC.
- Arrange tours, interviews and briefings.
- Coordinate information sharing and distribution with the LOFR.

PUBLIC INFORMATION OFFICER (PIO) (Cont'd)

- Assist in development of the Information Management Plan.
- Manage the Joint Information Center (JIC) if established.
- Assign a JIC manager if a JIC is established.
- Evaluate the need to establish JICs at additional locations.
- Obtain media information that may be useful to incident planning.
- Maintain current information summaries and/or displays on the incident and provide information on the status of the incident to assigned personnel.
- Brief Command on PIO issues and concerns.
- Coordinate with the Environmental Unit Leader and LOFR to address media and stakeholder risk perceptions and obtain technical content for external messages.
- Ensure that all required organization forms, reports and documents are completed prior to demobilization.
- Have debriefing session with the IC prior to demobilization.
- Maintain Unit Log (ICS 214) and forward to Documentation Unit Leader (DOCL) for disposition.

OPERATIONS



OPERATIONS SECTION CHIEF (OSC)

The Operations Chief is responsible for the management and implementation of spill response strategies pertaining to containment, protection, removal and disposal directly related to the primary mission.

The major responsibilities of the OSC are:

- Review Common Responsibilities.
- Obtain briefing from IC.
- Evaluate and request sufficient Section supervisory staffing for both operational and planning activities.
- Supervise Operations Section field personnel.
- Implement the Incident Action Plan (IAP) for the Operations Section.
- Evaluate on-scene operations and make adjustments to organization, strategies, tactics, and resources as necessary.
- Ensure the Resource Unit Leader (RESL) is advised of changes in the status of resources assigned to the Operations Section.
- In coordination with the Safety Officer (SOFR), ensure that Operations Section personnel execute work assignments while following approved safety practices.
- Monitor the need for and request additional resources to support operations as necessary.
- Assemble and/or demobilize Branches, Divisions, Groups, and task force/strike teams as appropriate.
- Identify and use staging areas.
- Evaluate and monitor the current situation for use in next operational planning period.
- Convert operational incident objectives into strategic and tactical options, which may be documented on a Work Analysis Matrix (ICS 234).
- Coordinate and consult with the Planning Section Chief (PSC), SOFR, Marine Transportation System Recovery Unit Leader (MTSL), Technical Specialists (THSPs), modeling scenarios, trajectories, etc., on selection of appropriate strategies and tactics to accomplish objectives.
- Identify kind, type, and number of resources required to support selected strategies.
- Determine the need for any specialized resources.
- Divide work areas into manageable units.
- Implement air space de-confliction plans as required.

OPERATIONS SECTION CHIEF (OSC) (Cont'd)

- Determine the need for an Air Branch Director.
- Request Captain of the Port (COTP) Safety or Security Zone or FAA Temporary Flight Restriction declaration around/over the incident response zone when warranted.
- Develop work assignments and allocate tactical resources based on strategic requirements using the Operational Planning Worksheet (ICS 215).
- Coordinate the development of the Operational Planning Worksheet (ICS 215) with the SOFR to mitigate safety risks.
- Participate in the planning process and the development of the tactical portions of the IAP, including the Assignment List (ICS 204) and Air Operations Summary (ICS 220).
- Review and approve final Assignment List (ICS 204(s)) prior to IAP approval.
- Assist with development of long-range strategic, contingency, and demobilization plans.
- Develop recommended list of Operations Section resources to be demobilized and initiate recommendation for release when appropriate.
- Receive and implement applicable portions of the incident Demobilization Plan.
- Participate in operational briefings to IMT members as well as briefings to the media and visiting dignitaries.
- Maintain Unit Log (ICS 214) and forward to Documentation Unit Leader (DOCL) for disposition.

OPERATIONS BRANCH DIRECTORS (OPBD)

The Operations Branch Directors (OPBDs) when activated, are under the direction of the Operations Section Chief, and are responsible for the implementation of the Incident Action Plan appropriate to Operations Branch.

The major responsibilities of the OPBD are:

- Review Common Responsibilities.
- Identify Divisions (DIVS), Groups, and resources assigned to the Operations Branch.
- Ensure that DIVS have a copy of the IAP.
- Implement IAP for the Operations Branch.
- Provide the OSC alternative or contingency strategies and tactics, including a list of additional resources needed in the Staging Area.
- Review the Assignment List (ICS 204) for Divisions/Groups within the Operations Branch and modify the lists based on the effectiveness of current operations.
- Assign specific work tasks to DIVS.
- Supervise Operations Branch operations.
- Resolve logistic problems reported by subordinates.
- Attend Planning Meetings as requested by the OSC.
- Ensure that the Resource and Situation Units are advised of changes in the status of resources assigned to the Operations Branch through the chain of command.
- Report to OSC when the IAP is to be modified, additional resources are needed, surplus resources are available, or hazardous situations or significant events occur.
- Approve accident and medical reports (home agency forms) originating within the Operations Branch.
- Evaluate the demobilization of excess resources well in advance of demobilization.
- Assemble and demobilize Branches, Divisions, Groups, and task force/strike teams as appropriate.
- Debrief with OSC and/or as directed at the end of each shift.
- Maintain Unit Log (ICS 214) and forward to DOCL for disposition.

AIR OPERATIONS BRANCH DIRECTOR (AOBD)

The Air Operations Branch Director (AOBD) is ground-based and primarily responsible for preparing the Air Operations Summary (ICS 220) and the air operations portion of the IAP, and for providing logistical support and direction to aircraft and personnel supporting incident response. The Air Operations Summary (ICS 220) serves a similar purpose as the Assignment List (ICS 204) by assigning and managing aviation resources on the incident.

The creation of an Air Operations Branch should be considered only after the number of air resources exceeds what would be assigned to an Air Operations Group.

The major responsibilities of the AOBD are:

- Review Common Responsibilities.
- Organize preliminary air operations.
- Supervise all air operations activities associated with the incident.
- Report to the OSC on air operations activities.
- Implement FAA air space closure and air space deconfliction plans to conduct operations as required.
- Oversee creation of air task orders or flight schedules to mitigate safety risk of aircraft operations in confined or saturated air space.
- Coordinate airspace use with the FAA.
- Request declaration or cancellation of Temporary Flight Restrictions (TFRs) in accordance with applicable Federal Aviation Regulations and post Notice to Airmen (NOTAM).
- Attend the Tactics and Planning Meetings to exchange information for development of the Air Operations Summary (ICS 220) and to confirm the number and type of aircraft needed for the next operational period.
- Participate in preparation of the IAP through the OSC, ensuring that the air operations portion includes the Air Traffic Control (ATC) requirements of assigned aircraft.
- Coordinate with the Communications Unit Leader (COML) to designate air tactical and support frequencies.
- Ensure reliable communication between the Air Operations Branch and air units.
- Perform operational planning for air operations including emergency evacuation procedures of injured responders.
- Prepare the Air Operations Summary (ICS 220), and provide the summary along with incident maps and copies of the IAP to the Air Support Group and Fixed-Wing Bases.

AIR OPERATIONS BRANCH DIRECTOR (AOBD) (Cont'd)

- Develop an aviation site safety plan in coordination with SOFR.
- Consider requesting an Aviation Safety Officer (ASOF) with aviation safety certifications to work within the Air Operations Branch as a Technical Specialist (THSP) or for the SOFR.
- Report safety concerns, special incidents, and accidents to the SOFR.
- Evaluate helibase and helispot locations.
- Establish procedures for emergency reassignment of aircraft.
- Coordinate approved flights of non-incident aircraft in the TFRs.
- Manage airspace deconfliction.
- Coordinate with appropriate Command Centers and the remote sensing coordinator through normal channels on incident air operations activities.
- Coordinate with trustee agencies and Environmental Unit Leader (ENVL) on flight restrictions and recommendations regarding threatened or endangered species and/or indigenous and migrating birds.
- Consider requests for logistical use of incident aircraft.
- Facilitate aircrew debriefs by Intelligence/Investigations Officer (INTO), Situation Unit Leader (SITL), Field Observers (FOBS), etc.
- Arrange for an accident investigation team when warranted.
- Implement noise abatement procedures as necessary.
- Debrief OSC at the end of each operational period as directed.
- Maintain a Unit Log (ICS 214-CG) and forward to the DOCL for disposition.

DIVISION SUPERVISOR (DIVS)

The Division/Group Supervisor (DIVS) reports to the OSC (or OPBD when activated). The DIVS is responsible for the implementation of the assigned portion of the IAP, assignment of resources within the Division/Group, and reporting on the progress of control operations and status of resources within the Division/Group.

The major responsibilities of the DIVS are:

- Review Common Responsibilities.
- Identify resources assigned to the Division/Group.
- Provide the IAP to subordinates, as needed.
- Review Division/Group assigned tasks and incident activities with subordinates.
- Implement the IAP for Division/Group.
- Assemble and demobilize task force/strike teams as appropriate.
- Supervise Division/Group resources and make changes as appropriate.
- Ensure that RESL is advised of all changes in the status of resources assigned to the Division/Group through the chain of command.
- Coordinate activities with adjacent Division/Group.
- Determine the need for assistance on assigned tasks.
- Submit situation and resource status information to the Branch Director or the OSC as directed.
- Coordinate with Field Observers (FOBS) assigned by the Situation Unit Leader (SITL).
- Report hazardous situations, special occurrences, or significant events (e.g., accidents, mishaps, sickness, and discovery of unanticipated sensitive resources) to immediate supervisor and SOFR.
- Ensure that assigned personnel and equipment get to and from assignments in a timely and orderly manner.
- Resolve logistics problems within the Division/Group.
- Participate in the development of Branch plans for the next operational period, as requested.
- Evaluate the demobilization of excess resources well in advance of demobilization.
- Debrief as directed at the end of each shift.
- Maintain Unit Log (ICS 214) and forward to DOCL for disposition.

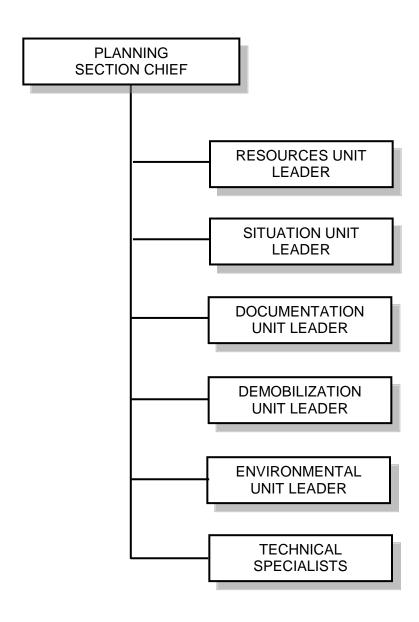
STAGING/GROUP AREA MANAGER (STAM)

The Staging Area Manager (STAM) is under the direction of the OSC and is responsible for managing all activities within a Staging Area.

The major responsibilities of the STAM are:

- Review Common Responsibilities.
- Proceed to staging area.
- Obtain briefing from person you are relieving.
- Establish staging area layout.
- Determine any support needs for equipment, support staff, feeding, sanitation, and security.
- Establish check-in function as appropriate.
- Ensure security of staged resources using assets with authority, jurisdiction, and adequate capabilities to provide security.
- Establish check-in areas for identification and traffic control.
- Request maintenance service for equipment at staging area as appropriate.
- Respond to requests for resource assignments. (Note: Requests may be directly from the OSC or via the Incident Communications Center (ICC).)
- Obtain and issue receipts for supplies distributed and received at staging area. (i.e. radio equipment).
- Determine required resource levels from the OSC.
- Advise the OSC when reserve levels reach minimums.
- Maintain and provide status to Resource Unit of all resources in staging area.
- Maintain staging area in orderly condition.
- Coordinate with Field Observers (FOBS) assigned by the Situation Unit Leader (SITL).
- Ensure resources that are in the staging area and are scheduled for demobilization follow the Demobilization Plan if developed.
- Demobilize the staging area in accordance with the Demobilization Plan, or per OSC direction when no Demobilization Plan has been developed.
- Debrief with OSC or as directed at the end of each shift.
- Maintain Unit Log (ICS 214) and forward to DOCL for disposition.

PLANNING



PLANNING SECTION CHIEF (PSC)

The Planning Section Chief (PSC) is a member of the General Staff and responsible for the development of the Incident Action Plan (IAP), the collection, evaluation, dissemination, and use of incident information and maintaining status of assigned and demobilized resources.

The major responsibilities of the PSC are:

- Review Common Responsibilities.
- Collect, process, display, and disseminate incident information.
- Assist Operations Section Chief (OSC) in the development of response strategies.
- Supervise preparation of the IAP.
- Facilitate planning meetings and briefings.
- Supervise the tracking of incident personnel and resources through the Resources Unit.
- Assign personnel already on-site to ICS organizational positions as appropriate.
- Oversee information management processes and plans, including the development and approval of the Information Management Plan (if needed).
- Ensure the accuracy of all information being produced by Planning Section Units with special attention to IC/UC Critical Information Requirements (CIRs) and their reporting requirements.
- Support information requirements and reporting schedules for Planning Section Units (Resources Unit, Situation Unit, etc.).
- Establish special information collection activities as necessary (e.g., weather, environmental, and toxics).
- Assemble information on alternative strategies.
- Provide periodic predictions on incident potential.
- Keep Spill Management Team apprised of any significant changes in incident status.
- Oversee preparation and implementation of the Incident Demobilization Plan.
- Incorporate plans (e.g., traffic, medical, communications, and site safety) into the IAP.
- Develop other incident supporting plans (e.g., salvage, transition, and security).
- Maintain Unit Log (ICS 214) and forward to Documentation Unit Leader (DOCL) for disposition.

DOCUMENTATION UNIT LEADER (DOCL)

The Documentation Unit Leader (DOCL) is responsible for the maintenance of accurate, up-to-date incident documentation which is critical to post-incident analysis.

The major responsibilities of the DOCL are:

- Review Common Responsibilities.
- Set up work area and begin organization of incident files.
- Develop a documentation plan to include archival of all incident specific information data as defined in the Information Management Plan.
- Coordinate with the Communications Unit Leader (COML) to ensure electronically stored information meets legal documentation and archival requirements.
- To the greatest extent possible the data archive should be readily recoverable and searchable.
- Ensure appropriate level of documentation storage is maintained based on the level of classification of the information being stored.
- Maintain the Incident Open Action Tracker (ICS 233).
- Establish duplication service and respond to duplication requests.
- File all official forms and reports.
- Develop a Freedom of Information Act (FOIA) plan in coordination the Liaison Officer (LOFR) and with appropriate legal input.
- Review records for accuracy and completeness, and inform units of errors or omissions.
- Provide incident documentation as requested.
- Organize files for submitting final incident documentation package
- Submit incident documentation to the operational commander for maintenance and disposition.
- Maintain Unit Log (ICS 214).

DEMOBILIZATION UNIT LEADER (DMOB)

The Demobilization unit Leader (DMOB) is responsible for developing the Incident Demobilization Plan. On large incidents, demobilization can be very complex, requiring a separate planning activity. Note that not all organizations require specific demobilization instructions.

The major responsibilities of the DMOB are:

- Review Common Responsibilities.
- Review incident resource records to determine the likely size and extent of demobilization effort and develop a resource matrix.
- Coordinate demobilization with Agency Representatives (AREPs).
- Monitor the on-going Operations Section resource needs.
- Identify surplus resources and probable release time.
- Establish communications with off-incident facilities, as necessary.
- Develop an Incident Demobilization Plan that should include:
 - General information section.
 - Responsibilities section.
 - 3. Release priorities.
 - 4. Release procedures (including any unique procedures needed).
 - Demobilization Checkout Form (ICS 221).
 - 6. Directory.
- Prepare appropriate directories (e.g., maps and instructions) for inclusion in the demobilization plan.
- Track all demobilized tactical resources and overhead personnel to their home office/location.
- Distribute demobilization plan (on and off-site).
- Provide status reports to appropriate requestors.
- Ensure that sections and units understand their specific demobilization responsibilities.
- Supervise execution of the Incident Demobilization Plan.
- Brief the Planning Section Chief (PSC) on demobilization progress.
- Maintain Unit Log (ICS 214) and forward to Documentation unit Leader (DOCL) for disposition.

SITUATION UNIT LEADER (SITL)

The Situation unit Leader (SITL) is the primary node for information management. The SITL is responsible for collecting, processing, organizing and disseminating incident information relating to status of current operations, incident growth, mitigation, or intelligence activities taking place on the incident. The SITL may prepare future projections of incident growth, maps, and intelligence.

The major responsibilities of the SITL are:

- Review Common Responsibilities.
- Begin collection and analysis of incident data as soon as possible.
- Prepare, post, and disseminate resource and situation status information as required, including special requests.
- Request and direct Display Processor(s) (DPRO) and/or Field Observers (FOBS) as needed.
- Develop the Information Management Plan, as required, in coordination with the Public Information Officer (PIO), Liaison Officer (LOFR), Operations Section chief (OSC), Planning Section Chief (PSC), Logistics Section Chief (LSC), and Communications Unit Leader (COML) for IC/UC approval.
- Collect, process, organize and disseminate incident information relating to status of current operations, incident growth, mitigation, or intelligence activities taking place on the incident.
- Prepare future projections of incident growth, maps, intelligence, and other incident specific predictions as requested by the PSC.
- Coordinate with COML to develop capabilities and capacities to support the information management methodologies.
- Prepare the Incident Status Summary (ICS 209).
- Provide charts, maps, and overlay imagery.
- Conduct situation briefings at meetings and briefings as required by the PSC.
- Develop and maintain master chart(s)/map(s) of the incident.
- Display master chart(s)/map(s) of incident in the Incident Command Post (ICP) common area for all responders to view.
- Maintain Unit Log (ICS 214-CG) and forward to Documentation Unit Leader (DOCL) for disposition.

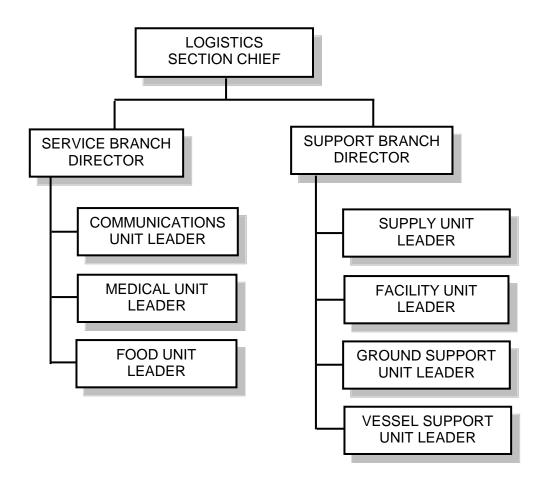
RESOURCE UNIT LEADER (RESL)

The Resource Unit Leader (RESL) is responsible for maintaining the status of all assigned tactical resources and personnel at an incident. This is achieved by overseeing the check-in of all tactical resources and personnel, and using a status system that indicates the current location and status of all these resources.

The major responsibilities of the RESL are:

- Review Common Responsibilities.
- Establish the check-in function at incident locations.
- Prepare the Organization Assignment List (ICS 203) and Incident Organization Chart (ICS 207).
- Prepare appropriate parts of the Assignment List (ICS 204).
- Maintain a master roster of all tactical resources checked in at the incident and post their current status and location using the Resource Status Card (ICS 219) or an electronic resource tracking system.
- Request resources from Logistics Section Chief (LSC) via the Resource Request Message (ICS 213-RR).
- Attend meetings and briefings as required by the PSC.
- Maintain Unit Log (ICS 214-CG) and forward to DOCL for disposition.

LOGISTICS



LOGISTICS SECTION CHIEF (LOSC)

The Logistics Section Chief (LSC) is a member of the General Staff and is responsible for providing facilities, services, people, and material in support of the incident. The LSC participates in the development and implementation of the IAP and supervises the branches and units within the Logistics Section.

The LSC may have Deputy LSCs. The Deputy LSC must have the same qualifications as the person for whom they work as they must be ready to take over that position at any time.

The major responsibilities of the LSC are:

- Review Common Responsibilities.
- Organize the Logistics Section.
- Assign work locations and work tasks to Section personnel.
- Notify the Planning Section/Resources Unit of activated Logistics Section Units, including names and locations of assigned personnel.
- Assemble and brief Logistics Branch Directors and Unit Leaders.
- Participate in the planning process.
- Determine and supply immediate incident resource and facility needs.
- Coordinate and process requests for additional resources.
- In conjunction with Command, develop and advise all Sections of the Spill Management Team resource request process, the resource approval process, and use of Resource Request form (ICS 213-RR).
- Develop resource ordering process with Finance Section Chief (FSC).
- Review proposed tactics for upcoming operational period to ensure ability to provide resources and logistical support.
- Advise Command and other Section Chiefs on resource availability to support incident needs.
- Identify long-term service and support requirements for planned and expected operations.
- Oversee development of the Communications Plan (ICS 205), Medical Plan (ICS 206), Transportation Plan and Traffic Plan, as required.
- Provide input to the Information Management Plan.
- Identify logistical resource needs for incident contingencies.

LOGISTICS SECTION CHIEF (LOSC) (Cont'd)

- Determine the type and amount of resources ordered and enroute to include reporting of status/location.
- Advise Section Chiefs on resource limitations, constraints, and appropriateness.
- Advise on current service and support capabilities.
- Participate in Business Management Meeting with the FSC.
- Request and/or set up expanded ordering processes as appropriate to support incident.
- Recommend Logistics Section resources to be demobilized and prioritize release order.
- Provide Logistics Section requirements to be included in the Demobilization Plan to Demobilization Unit Leader (DMOB).
- Receive and implement applicable portions of the incident Demobilization Plan.
- Maintain Unit Log (ICS 214) and forward to Documentation Unit Leader (DOCL) for disposition.

SERVICE BRANCH DIRECTOR (SVBD)

The Service Branch Director (SVBD) is activated under the supervision of the LSC and is responsible for the management of all service activities at the incident. The SVBD supervises the operations of the Communications, Medical, and Food Units.

The major responsibilities of the SVBD are:

- Review Common Responsibilities.
- Obtain working materials.
- Determine the level of service required to support operations.
- Confirm dispatch of Branch personnel.
- Participate in planning meetings of Logistics Section personnel.
- Review the Incident Action Plan (IAP).
- Organize and prepare assignments for Service Branch personnel.
- Coordinate activities of Branch Units.
- Inform the LSC of Branch activities.
- Resolve Service Branch problems.
- Maintain Unit Log (ICS 214) and forward to the Documentation Unit Leader (DOCL) for disposition.

COMMUNICATIONS UNIT (COML)

The Communications Unit Leader (COML) is responsible for developing plans, obtaining, distributing, and supporting operation of computer and radio incident communications equipment and the data management infrastructure to support information flow.

The major responsibilities of the COML are:

- Review Common Responsibilities.
- Determine Unit personnel needs.
- Supervise Communications Unit activities.
- Support development and implementation of the Information Management Plan.
- Prepare and implement the Incident Radio Communications Plan (ICS 205).
- Obtain communications equipment and data management infrastructure.
- Develop contingency communications.
- Ensure the Incident Communications Center (ICC) and Message Center are established.
- Establish appropriate communications distribution and maintenance locations within the Incident Base.
- Ensure communications systems are installed, tested and maintained.
- Ensure an equipment accountability system is established.
- Ensure personal portable radio equipment from cache is distributed per Incident Radio Communications Plan (ICS 205).
- Establish and maintain the data management infrastructure to include hardware, software, and data to support information management.
- Establish and maintain automatic data processing computer information technology (IT) services for all facilities when available.
- Provide technical information as required on:
 - 1. Adequacy of communications systems currently in operation.
 - 2. Geographic limitation on communications systems.
 - Equipment capabilities and limitations.
 - 4. Amount and types of equipment available.
 - 5. Anticipated problems in the use of communications equipment.
- Recover equipment from Units being demobilized.
- Maintain Unit Log (ICS 214) and forward to Documentation Unit Leader (DOCL) for disposition.

MEDICAL UNIT LEADER (MEDL)

The Medical Unit Leader (MEDL), under the direction of the SVBD or LSC, is primarily responsible for the development of the Medical Plan, providing medical care, overseeing health of response personnel, obtaining medical aid and transportation for injured and ill response personnel, coordinating with other functions to resolve health and safety issues, and preparation of medical reports and records.

The major responsibilities of the MEDL are:

- Review Common Responsibilities.
- Participate in Logistics Section/Service Branch planning activities, providing relevant medical input for strategy development.
- Establish the Medical Unit.
- Prepare the Medical Plan (ICS 206).
- Coordinate with the Safety Officer (SOFR), Operations, hazardous substance specialists, and others on proper personnel protection procedures for incident personnel.
- Prepare procedures for major medical emergency.
- Develop transportation routes and methods for injured incident personnel.
- Ensure incident personnel patients are tracked as they move from origin, to the care facility, and to final disposition.
- Provide continuity of medical care for incident personnel.
- Declare major medical emergency as appropriate.
- Provide or oversee medical and rehab care delivered to incident personnel.
- Monitor health of incident personnel including excessive incident stress.
- Respond to requests for medical aid, medical transportation, and medical supplies.
- Prepare and submit authorizations, reports and administrative documentation related to injuries, compensation, or death of incident personnel, in conjunction with Finance/Admin Section.
- Coordinate personnel and mortuary affairs for incident personnel fatalities.
- Provide oversight and liaison for injured response personnel across the emergency medical care system.
- Implement procedures to protect medical records and Personally Identifiable Information (PII) in accordance with the Health Insurance Portability and Accountability Act (HIPAA).
- Maintain Unit Log (ICS 214) and forward to Documentation Unit Leader (DOCL) for disposition.

FOOD UNIT LEADER (FDUL)

The Food Unit Leader (FDUL) is responsible for supplying the food needs for all tactical responders and overhead personnel, including all remote locations such as staging areas, as well as providing food for personnel unable to leave tactical field assignments.

The major responsibilities of the FDUL are:

- Review Common Responsibilities.
- Determine food and water requirements.
- Determine the method of feeding to best fit each facility or situation.
- Obtain necessary equipment and supplies.
- Ensure that well-balanced menus are provided.
- Account for responders who use incident supplied food services.
- Order sufficient food and potable water from the Supply Unit.
- Maintain an inventory of food and water.
- Maintain food service areas, ensuring that all appropriate health and safety measures are being followed.
- Supervise Food Unit personnel as appropriate.
- Maintain Unit Log (ICS 214) and forward to the Documentation Unit Leader (DOCL) for disposition.

SUPPORT BRANCH DIRECTOR (SUBD)

The Support Branch Director (SUBD) is activated under the direction of the LSC and is responsible for the development and implementation of logistics plans in support of the IAP. The SUBD supervises the operations of the Supply, Facilities, Ground Support, and Vessel Support Units.

The major responsibilities of the SUBD are:

- Review Common Responsibilities.
- Obtain work materials.
- Identify Support Branch personnel dispatched to the incident.
- Determine support operations in coordination with the LSC and SVBD.
- Prepare organization and assignments for support operations.
- Assemble and brief Support Branch personnel.
- Determine if assigned Support Branch resources are sufficient.
- Track progress of Branch and Unit work assignments.
- Resolve problems associated with requests from the Operations Section.
- Maintain Unit Log (ICS 214) and forward to the Documentation Unit Leader (DOCL) for disposition.

SUPPLY UNIT LEADER (SPUL)

The Supply Unit Leader (SPUL) is primarily responsible for receiving, inventorying, storing, and distributing all supplies, tactical resources, and personnel for the incident, including non-expendable supplies and equipment.

The major responsibilities of the SPUL are:

- Review Common Responsibilities.
- Participate in Logistics Section/Support Branch planning activities.
- Receive and respond to requests for personnel, supplies, and equipment.
- Order, receive, distribute, and store supplies and equipment.
- Determine the type and amount of supplies, tactical resources, and personnel ordered and enroute to include reporting of status and location.
- Review the IAP for information on operations of the Supply Unit.
- Develop and implement safety and security requirements.
- Service reusable equipment.
- Maintain Unit Log (ICS 214) and forward to the Documentation Unit Leader (DOCL) for disposition.

FACILITIES UNIT LEADER (FACL)

The Facilities Unit Leader (FACL) is primarily responsible for the setup, maintenance and demobilization of incident facilities (e.g., Incident Base, Incident Command Post (ICP) and staging areas), as well as security services required to support incident operations. The FACL provides sleeping and sanitation facilities for incident personnel and manages Incident facility operations. Each facility is assigned a manager who reports to the FACL and is responsible for operation of the facility. The FACL reports to the SUBD.

The major responsibilities of the FACL are:

- Review Common Responsibilities.
- Obtain a briefing from the SUBD or the LSC.
- Receive and review a copy of the Incident Action Plan (IAP).
- Participate in Logistics Section/Support Branch planning activities.
- In conjunction with the Finance/Admin Section, determine locations suitable for incident support facilities and secure permission to use through appropriate means.
- Inspect facilities prior to occupation and document conditions and preexisting damage.
- Determine requirements for each facility, including the ICP.
- Prepare layouts of incident facilities.
- Notify Unit Leaders of facility layout.
- Activate incident facilities.
- Provide Facility Managers and personnel to operate facilities.
- Provide sleeping facilities.
- Provide security services.
- Provide food and water service.
- Provide sanitation and shower service.
- Provide facility maintenance services (e.g., sanitation, lighting, clean up, and trash removal).
- Inspect all facilities for damage and potential claims.
- Demobilize incident facilities.
- Maintain facility records.
- Maintain Unit Log (ICS 214) and forward to the Documentation Unit Leader (DOCL) for disposition.

GROUND SUPPORT UNIT LEADER (GSUL)

The Ground Support Unit Leader (GSUL) is primarily responsible for management of tactical equipment, vehicles, mobile ground support equipment and fueling services; transportation of personnel, supplies, food and equipment in support of incident operations; and implementing the Traffic Plan for the incident.

The major responsibilities of the GSUL are:

- Review Common Responsibilities.
- Participate in Support Branch/Logistics Section planning activities.
- Develop and implement the Traffic Plan in coordination with the Environmental Unit Leader (ENVL).
- Support out-of-service resources.
- Notify the Resources Unit of all status changes on support and transportation vehicles.
- Arrange for and activate fueling, maintenance, and repair of ground resources.
- Maintain the Support Vehicle Inventory (ICS 218).
- Provide transportation services.
- Collect information on use of rented equipment.
- Requisition maintenance and repair supplies (e.g., fuel and spare parts).
- Maintain incident roads.
- Ensure vehicles are decontaminated prior to demobilization.
- Submit reports to SUBD as directed.
- Maintain Unit Log (ICS 214-CG) and forward to the Documentation Unit Leader (DOCL) for disposition.

VESSEL SUPPORT UNIT LEADER (VSUL)

The Vessel Support Unit Leader (VSUL) is responsible for implementing the Vessel Routing Plan for the incident and coordinating transportation on the water and between shore resources. Since most vessels will be supported by their own infrastructure, the Vessel Support Unit may be requested to arrange fueling, dockage, maintenance, and repair of vessels on a case-by-case basis.

The major responsibilities of the VSUL are:

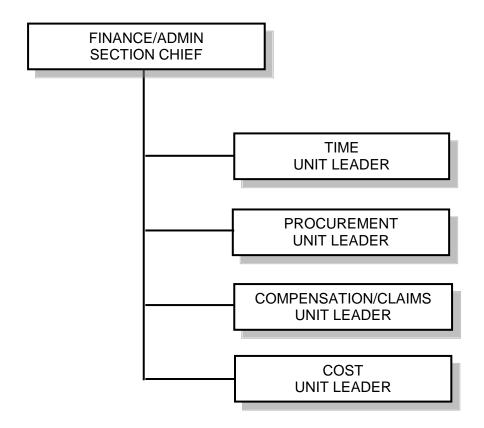
- Review Common Responsibilities.
- Obtain a briefing from the SUBD or the LSC.
- Participate in Support Branch/Logistics Section planning activities.
- Coordinate development of the Vessel Routing Plan in coordination with the Environmental Unit Leader (ENVL).
- Coordinate vessel transportation assignments with the Protection and Recovery Branch or other sources of vessel transportation.
- Coordinate water-to-land transportation with the Ground Support Unit, as necessary.
- Maintain a prioritized list of transportation requirements that need to be scheduled with the transportation source.
- Support out-of-service vessel resources, as requested.
- Arrange for fueling, dockage, maintenance, and repair of vessel resources, as requested.
- Maintain the Support Vehicle Inventory (ICS 218).
- Ensure vessels are decontaminated prior to demobilization.
- Submit reports to SUBD as directed.
- Maintain Unit Log (ICS 214) and forward to the Documentation Unit Leader (DOCL) for disposition.

SECURITY MANAGER (SECM)

The Security Manager (SECM) is responsible for providing safeguards needed to protect personnel and property from loss or damage. The SECM reports to the FACL. The major responsibilities of the SECM are:

- Review Common Responsibilities.
- Establish contacts with local law enforcement, as required.
- Ensure facility and personnel security requirements are met.
- Develop Security Plan for incident facilities.
- Request required personnel support to accomplish work assignments.
- Ensure security of sensitive material and systems.
- Ensure that support personnel are qualified to manage security problems.
- Adjust Security Plan for personnel and equipment changes and releases.
- Coordinate security activities with appropriate incident personnel.
- Keep the peace, prevent assaults, and settle disputes.
- Prevent theft of all Company and personal property.
- Document all complaints and suspicious occurrences.
- Maintain Unit Log (ICS 214-CG) and forward to the Documentation Unit Leader (DOCL) for disposition.

FINANCE/ADMINISTRATION



FINANCE/ADMINISTRATION SECTION CHIEF (FSC)

The Finance/Admin Section Chief (FSC) is a member of the General Staff and responsible for all financial, administrative, and cost analysis aspects of the incident and supervising members of the Finance/Admin Section.

The FSC may have Deputy FSCs. The Deputy FSC must have the same qualifications as FSC as they must be ready to take over that position at any time.

The major responsibilities of the FSC are:

- Review Common Responsibilities.
- Participate in incident planning meetings and briefings as required.
- Review operational plans and provide alternatives where financially appropriate.
- Manage all financial aspects of an incident.
- Identify all funding sources and ceilings for the response operation.
- Provide financial and cost analysis information, as requested.
- Gather pertinent information from briefings with responsible agencies.
- Develop an operating plan for the Finance/Admin Section.
- Fill supply and support needs.
- Meet with Assisting and Cooperating Agency Representatives (AREPs), as needed.
- Maintain daily contact with each organization's administrative headquarters on Finance/Admin matters.
- Coordinate with the Resource Unit Leader (RESL) to ensure that all personnel time records are accurately completed.
- Provide financial and administrative input to demobilization planning.
- Ensure that all funding obligation documents initiated at the incident are properly prepared and completed.
- Brief organization administrative personnel on all incident-related financial issues needing attention or follow-up prior to leaving incident.
- Develop recommended list of Section resources to be demobilized and initial recommendation for release when appropriate.
- Receive and implement applicable portions of the incident Demobilization Plan.

FINANCE/ADMINISTRATION SECTION CHIEF (FSC) (Cont'd)

- Participate in Business Management Meeting with the Logistics Section Chief (LSC).
- Actively manage incident funds, differentiating between the various funding sources used to carry out response activities.
- Ensure that financial recording software is open and access to the accounting line is established for the incident.
- Ensure that obligations are entered in financial recording software.
- Conduct Finance Section status meetings as required.
- Maintain Unit Log (ICS 214) and forward to the Documentation Unit Leader (DOCL) for disposition.

TIME UNIT LEADER (TIME)

The Time Unit Leader (TIME) is responsible for equipment and personnel time recording and for managing the commissary operations.

The major responsibilities of the TIME are:

- Review Common Responsibilities.
- Determine incident requirements for time recording function.
- Determine resource needs.
- Contact appropriate organization personnel or Agency Representative (AREP) regarding organization-specific time recording requirements.
- Ensure that daily personnel time recording documents are prepared and in compliance with each organizations policy.
- Maintain separate logs for overtime hours.
- Submit cost estimate data forms to the Cost Unit Leader (COST), as required.
- Maintain records security.
- Ensure that all records are current and complete prior to demobilization.
- Release time reports from assisting organization personnel to the respective AREPs prior to demobilization.
- Develop and implement procedures to protect Personally Identifiable Information (PII).
- Brief the FSC on current problems and recommendations, outstanding issues, and follow-up requirements.
- Coordinate with Resource Unit Leader (RESL) to obtain copies of all check in/check out records each day.
- Maintain Unit Log (ICS 214) and forward to the Documentation Unit Leader (DOCL) for disposition.

PROCUREMENT UNIT LEADER (PROC)

The Procurement Unit Leader (PROC) is responsible for administering all financial matters pertaining to vendor contracts, leases, and fiscal agreements.

Although the PROC works within the SMT in support of the IC/UC, specific procurement policies, authorities, and procedures, which include emergency authorization procedures to expedite purchases, cannot be circumvented by the IC/UC.

The major responsibilities of the PROC are:

- Review Common Responsibilities.
- Review incident needs and any special procedures with Unit Leaders, as needed.
- Coordinate with local jurisdiction on plans and supply sources.
- Obtain the Incident Procurement Plan.
- Prepare and authorize contracts, building, and land-use agreements.
- Draft memoranda of understanding (MOUs) as necessary.
- Establish contracts and agreements with supply vendors.
- Provide for coordination between the Property Management Unit Leader (PROP) and all procurement organizations supporting the incident.
- Ensure that a system is in place that meets organization property management requirements.
- Ensure proper accounting for all new property.
- Interpret contracts and agreements to resolve disputes within delegated authority.
- Coordinate with the Compensation/Claims Unit for processing claims.
- Coordinate with the SPUL and COST to ensure all obligations are entered in financial recording software and all costs are reconciled prior to demobilization.
- Coordinate with the SPUL to ensure all orders and purchases are screened for possible accountable/reportable property.
- Complete final processing of contracts and send documents for payment.
- Coordinate cost data in contracts with the COST.
- Brief the FSC on current problems and recommendations, outstanding issues, and follow-up requirements.
- Maintain Unit Log (ICS 214) and forward to the Documentation Unit Leader (DOCL) for disposition.

COMPENSATION/CLAIMS UNIT LEADER (COMP)

The COMP is responsible for the overall management and direction of all administrative matters pertaining to compensation for injury and claims related activities (other than injury) for an incident.

The major responsibilities of the COMP are:

- Review Common Responsibilities.
- Obtain a briefing from the FSC.
- Establish contact with the incident Medical unit Leader (MEDL), Safety Officer (SOFR) and Liaison Officer (LOFR).
- Determine the need for Compensation for Injury Specialists (INJRs), and Claims Specialists (CLMS), and order personnel as needed.
- Establish a compensation for injury work area within or as close as possible to the Medical Unit.
- Review the Medical Plan (ICS 206).
- Review and coordinate procedures for handling claims with the Procurement Unit.
- Brief the CLMS on incident activity.
- Periodically review logs and forms produced by the CLMS to ensure that they are complete, entries are timely and accurate, and that they are in compliance with organization requirements and policies.
- Ensure that all Compensation for Injury and Claims logs and forms are complete and routed to the appropriate agency for post-incident processing prior to demobilization.
- Keep the FSC briefed on Compensation/Claims Unit status and activity.
- Demobilize unit in accordance with the Incident Demobilization Plan.
- Maintain Unit Log (ICS 214) and forward to the Documentation Unit Leader (DOCL) for disposition.

COST UNIT LEADER (COST)

The Cost Unit Leader (COST) is responsible for collecting all cost data, performing cost effectiveness analyses, and providing cost estimates and cost saving recommendations for the incident.

The major responsibilities of the COST are:

- Review Common Responsibilities.
- Obtain a briefing from the FSC.
- Coordinate with organization's headquarters on cost reporting procedures.
- Collect and record all cost data.
- Develop incident cost summaries.
- Prepare resources-use cost estimates for the Planning Section.
- Make cost saving recommendations to the FSC.
- Ensure all cost documents are accurately prepared.
- Maintain cumulative incident cost records.
- Ensure cost documentation captures all costs associated with the incident.
- Coordinate with TIME to ensure all personnel and equipment costs are captured.
- Coordinate with the PROC and SPUL to ensure all obligations are entered in financial recording software.
- Complete account reconciliations as required by current Company financial policy.
- Complete all records prior to demobilization.
- Provide reports to the FSC.
- Maintain Unit Log (ICS 214-CG) and forward to the Documentation Unit Leader (DOCL) for disposition.

ADMINISTRATION UNIT LEADER (ADMN)

The Administration unit Leader (ADMN) is responsible for all administrative personnel issues at a response.

The major responsibilities of the ADMN are:

- Review Common Responsibilities.
- Set up Administration Unit.
- Ensure Administration Unit supports all organization personnel assigned to the SMT.
- Request Administration Unit resources.
- Organize Administration Unit work force.
- Implement use of all necessary personnel management software tools.
- Ensure personnel assignment and organization travel orders are accurate.
- Provide pay and travel support to personnel.
- Ensure reporting personnel meet organization requirements for assignment to the SMT.
- Validate travel orders for all assigned civilian and military personnel.
- Validate time cards for all civilian personnel.
- Establish other organization points of contact (POCs) for non-Company personnel working at incident if not included in the Unit staff.
- Ensure eligible personnel know how to document overtime according to organization policy.
- Process overtime paperwork for appropriate organization signature prior to demobilization from incident.
- Provide advice and recommendations on personnel matters.
- Manage administrative databases and spreadsheets used for analyses and decision making.
- Review, analyze, and provide advice on human resource management issues.
- Ensure compliance with Privacy Act requirements to maintain the confidentiality of personnel documents.
- Maintain Unit Log (ICS 214-CG) and forward to the Documentation Unit Leader (DOCL) for disposition.

PROPERTY MANAGEMENT UNIT LEADER (PROP)

The Property Management Unit Leader (PROP) is responsible for all accountable property procured during a response.

The major responsibilities of the PROP are:

- Review Common Responsibilities.
- Set up property management unit.
- Request Property Management Unit resources.
- Organize Property Management Unit work force.
- Adhere to guidance provided in Company policies.
- Coordinate with the SPUL and PROC to ensure all orders and purchases are screened to identify accountable or reportable property items that would need to be entered into the appropriate organization property tracking software (i.e., Oracle Financial).
- Designate a Property Administrator responsible for entries into property tracking software.
- Ensure documentation is maintained on recorded property to include, but not limited to the Resource Request Message (ICS 213-RR) and invoice.
- Record location of accountable property and complete a physical inventory (including a joint inventory when transferring property to another Property Custodian).
- Depending on the size of the area affected by the incident, designate Property Custodians to ensure logistical control and accountability over the disbursed property.
- Ensure individuals responsible to maintain and monitor the item signs a Custody Receipt for Personal Property Pass (DHS 560-1) or the ICS-219-9A.
- Ensure all property assigned to the incident is appropriately marked and identifies ownership.
- Ensure property assigned to the incident is transferred back to or disposed of in accordance with owning organization regulations or funding source requirements.
- Establish procedures for the use of property passes for accountable and non-accountable property required for field operations.
- Designate custodial areas and property custodians in writing.
- Ensure reportable and/or accountable property is reviewed by the organization that provided the funding before action for disposal is taken.
- Ensure all property documents are available to the organization responsible for reimbursement billing.
- Maintain Unit Log (ICS 214-CG) and forward to the Documentation Unit Leader (DOCL) for disposition.

FACILITY RESPONSE EQUIPMENT ¹				
Date of Last Inspection:	Last Inspection or Response Equipment Test Date:			
Inspection By:	Last Deployment Drill Date:			
Inspection Frequency:	Deployment Frequency:			
Inspected By:				

FIRE FIGHTING AND PERSONNEL PROTECTIVE EQUIPMENT							
Type/Year	Operational Status	Shelf Life	Quantity	Storage Location(s)			
1500 GPM Foam Pumper w/1000 Gal Foam			1	Fire Station			
5" Fire Hose			4,000'	Engines 1 & 3, Fire Station			
6" Fire Hose			1,000'	Engine 3			
3" Fire Hose			3,000'	Fire Station			
1.75" Fire Hose			1,000'	Fire Station			
3500 Watt Generator			1	Engine 3			
500 Watt Extend-A-Lite			1	Engines 1 & 3			
270 Gal. Foam Totes with Foam Nozzles			10	Located throughout refinery			
SCBA			40	Located throughout refinery			
Supplied Light and Air Truck			1	Fire Station			
SCBA			40	Supplied Light and Air Truck			
SCBA Compressor			2	Supplied Light and Air Truck and Fire Station			
Generator with Scene Lights			1	Supplied Light and Air Truck			
Set of Technical Rescue Equipment			1	Supplied Light and Air Truck			
Helicopter Flares for Landing			1	Engines 1 & 3			
750 GPM Portable Wheeled Monitors			10	Located throughout the refinery			
Command Vehicle			1	Safety Dept.			
Quick Attack Trucks with 100 Gal. of Foam			2	In Plant			
Level "A" Encapsulated Suits			30	Fire House			
Portable Fire Extinguishers			>450	Located throughout refinery			
Response Pick-Ups			3	HSE Dept.			
Basic Life Support First Aid Kits			3	(1) Medical Department, (1) Safety Vehicle, (1) Security Vehicle			
Automatic Defibrillators			24	(1) Medical Department, (1) Safety Vehicle, (1) Security Vehicle			
3000 GPM Fire Truck with 1000 Gal. Foam			1	Fire Station			
4000 GPM Portable Fire Pump			1	Dock			
Kolda Pump Modules 1500 GPM			4	Storage			
Kolda Mobile Hose Reel Trailers			3 3000' – 6" Fire Hose Ea.	Storage			



			FACILI	TY RESP	ONSE EQUI	PMENT ¹ (Co	ont'd)	
Date of Last Uր	odate:							
nspected By:								
				Sk	(IMMERS/PUM	IPS		
Type/Model/Year			ational atus	Quantity	Capacity gal./min.	Daily Effective Recovery Rate	Storage Location(s)	Date Fuel Last Changed
Pneumatic D Skimmers / a Compressors / 0	and			2	18" 35 gpm		PRSI Storage	
Diesel Disc Skir Crucial ORD				1	90 gpm		PRSI Storage	
Diaphragm Pu Yanmar L48	mps /			2	80 gpm		PRSI Storage	
					BOOM ¹			
Type/Model/ Year	Opera Sta		Shelf Life	Number	Skirt Size	Size (Length)	Containment Area	Storage Location(s)
Jaton 2010					18" skirt	1,500 ft.		Dock
ACME 2012					18" skirt	1,000 ft.		Storage New
Various					8"	20 Bales		Trailer
	_			CHEM	IICAL DISPER	SANTS		
Туре	Opera Sta		Shelf Life	Amt.	Date Purchase d	Treatment Capacity	Storage Location(s)	Date Fuel Last Changed
					NONE			
		0			DISPENSING	EQUIPMENT		
Type/Yea	r		ational atus	Shelf Life	Capacity	Storage Location(s)	Response Time	
				-			1	
					NONE			
					SORBENTS			
Type/Yea Purchase		Ope	erationa	I Status	Shelf Life	Amount	Absorption Capacity gal.	Storage Location(s)
Various						20 Bales		Trailer

^{*} Equipment listed with no shelf life or N/A do not have a shelf life indicated by manufacturer.

Pasadena Refining System, Inc.

¹ All facility equipment is tested/inspected on a routine basis and maintained in good operational status. After use, all emergency equipment listed in the contingency plan is cleaned and fit for its intended use before operations are resumed.

	FACILITY RESPO	ONSE EQUI	PMENT ¹ (Cor	nt'd)				
			ion or Response	e e				
Date of Last Inspection	<u>:</u>	Equipment Test Date:						
Inspection By:		Last Deploy	ment Drill Date:					
Inspection Frequency:		Deployment	Frequency:					
Inspected By:								
HAND TOOLS								
Type/Year	Operational Status	Quantity		Storage Location(s)				
	N/	ONE						
				<u> </u>				
			<u> </u>					
COMMUNICATION EQUIPMENT								
Type/Year	Operational Status	Quantity	Stor	age Location(s)/Number				
Radios / XPR6550		4	 I	Response Trailer				
Marine Radios / VHF		2		Response Trailer				
Mototubo Digital Radio		150		Facility Wide				
System / XPR 6550 Cellular / T-Mobile		120		Facility Personnel				
			 	-				
Cellular / Cell Phone		3	<u> </u>	Security				
Various Beepers		10		Response Personnel				
	от	HER EQUIPME	ENT					
Type/Year	Operational Sta	tus	Quantity	Storage Location(s)				
Open Top Trailer / Top-Hat 2007			1	Dock				
Open Top Trailer / 2012			2	Storage				
Custom Response			1	PRSI Storage				
Trailer 28' / Super			 -					
Coach 2012 Life Jackets / MD3087			15	PRSI Storage				
Auto inflate				1 Nor Giorage				

Pasadena Refining System, Inc.

^{*} Equipment listed with no shelf life or N/A do not have a shelf life indicated by manufacturer.

¹ All facility equipment is tested/inspected on a routine basis and maintained in good operational status. After use, all emergency equipment listed in the contingency plan is cleaned and fit for its intended use before operations are resumed.

FACILITY RESPONSE EQUIPMENT ¹ (Cont'd)							
Date of Last Inspection	Last Inspection or Response Equipment Test Date:						
Inspection By:	Last Deployment Drill Date:						
Inspection Frequency:	ency: Deployment Frequency:						
Inspected By:							
BOATS & MOTORS							
Type/Year	Operational Status	Shelf Life	Quantity	Storage Location(s)			
Boat Motor (40 HP) / Evinrude			1	PRSI Storage			
Aluminum flat bottom boat/trailer 18' / 2012			1	PRSI Storage			

^{*} Equipment listed with no shelf life or N/A do not have a shelf life indicated by manufacturer.

Booming strategies are depicted on the TGLO maps provided in Section 6.

The Facility, in addition to the above response equipment, also maintains spill kits for day-to-day operational and maintenance activities. Generally, these EVERY DAY spill kits contain oil sorbent pads, sorbent pillows, sorbent booms, gloves, goggles, and waste bags.

The Facility has no additional response equipment or other cleanup materials than listed in this Appendix.

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¹ All facility equipment is tested/inspected on a routine basis and maintained in good operational status. After use, all emergency equipment listed in the contingency plan is cleaned and fit for its intended use before operations are resumed.

FIGURE 5.1

EXTERNAL RESPONSE RESOURCES

Houston Captain of the Port (COTP) Zone

USCG Classified Oil Spill Removal Organization (OSRO)								
		Actual		Facility Classification Level				High
OSRO Name	Contract Number	Response Time	Environment Type	MM	W ¹	W ²	W ³	Volume Port
OMI Environmental Solutions	PO 059807	2 hours	River/Canal	Х	Х	Х	Х	Yes
			Inland	Х	Χ	Χ	Х	
Horizon Environmental	PO 059591	2 hours	River/Canal	Х	Х	Х		Yes
			Inland	Х				
Clean Channel	Member	5 hours	River/Canal	Χ	Х	Х	Х	Yes
Association			Inland	Χ	Х	Х	Х	

Note: Classification ratings taken from the USCG's internet site

https://cgrri.uscg.mil/UserReports/WebClassificationReport.aspx. Evidence of contracts/membership agreements are provided in Appendix C and telephone numbers are provided in Figure 2.5.

The AMPD coverage is provided by Facility owned spill response equipment.

HORIZON ENVIRONMENTAL Houston COTP Zone



STANDARD TERMS AND CONDITIONS FOR GENERAL SERVICES

BETWEEN

PASADENA REFINING SYSTEM, INC.

and

ANDERSON POLLUTION CONTROL, INC. (dba HORIZONTAL ENVIRONMENTAL)

for

Oil Spill Response

January 14, 2015



STANDARD TERMS AND CONDITIONS FOR **GENERAL SERVICES**

These Standard Terms and Conditions for General Services (this "Contract/Agreement"), dated and effective as of the 14th day of January, 2015, ("Effective Date") entered into by and between Pasadena Refining System, Inc., a Connecticut corporation, with its principal place of business located at 111 Red Bluff Rd., Pasadena, Texas 77506 (hereafter referred to as "PRSI") and Anderson Pollution Control, Inc.(dba Horizontal Environmental), a Texas corporation with its principal place of business located at 2407 Albright Dr., Houston, Texas 77017 (hereafter referred to as "Contractor/Supplier"), each sometimes referred to as a "Party" and collectively as the "Parties".

Whereas, from time to time, PRSI may desire to obtain Services/Goods provided by Contractor (as defined below) and Contractor may be willing to provide those Services/Goods in the manner and type agreed to by the Parties and for the price/consideration agreed to by the Parties; and

Whereas, the Parties wish to agree on the terms and conditions relating to providing such Services/Goods;

NOW, THEREFORE, in consideration of the mutual promises, covenants, warranties, and agreements set forth below, the Parties agree as follows:

GENERAL PRINCIPLES

Objective of the Agreement:

Pollution Control

Scope of the Agreement:

Oil Spill Response or as further specified in Exhibit "A".

Total Contract Value:

The estimated maximum aggregated value of this Contract is \$100,000.00 (USD One Hundred Thousand Dollars and 00/100). However, PRSI is not obliged to consume any or all of such estimated amount. PRSI is only obligated to pay for the portion of the Work that has been completed successfully in accordance with the terms, conditions and specifications of this Contract as per the rates detailed in Exhibit A.

Duration of the Service Contract: The term of this Contract shall commence on the Effective Date and shall remain in full force and effect for a term of three (3) years or until the maximum service Contract value is reached, whichever comes first, and may be extended upon mutual agreement between the parties.

DEFINITIONS

The following terms shall have the meaning set forth below. Other defined terms in this Contract shall have the meaning set forth elsewhere in this Contract.



IN WITNESS WHEROF, the parties hereto have executed this Contract as of the 14th day of January, 2015.

SIGNED AND ACCEPTED	SIGNED AND ACCEPTED
Pasadena Refining System, Inc. By: Mark Berlinger Name: Director of HSE Title: PRSI Date: //////	Anderson Pollution Control, Inc.(dba Horizontal Environmental) By: Name: Formy Anderson Title: CEO Date: 1114 1.5
WITNESSED BY:	WITNESSED BY:
Harry Horton	C. Drug
Name: <u>Harry Thomas</u>	Name: Courtney Gry
Buyer	

OMI ENVIRONMENTAL SOLUTIONS Houston COTP Zone



STANDARD TERMS AND CONDITIONS FOR GENERAL SERVICES

BETWEEN

PASADENA REFINING SYSTEM, INC.

and

OMI ENVIRONMENTAL SOLUTIONS

for

Oil Spill Response

January 26, 2015



STANDARD TERMS AND CONDITIONS FOR **GENERAL SERVICES**

These Standard Terms and Conditions for General Services (this "Contract/Agreement"), dated and effective as of the 26th day of January, 2015, ("Effective Date") entered into by and between Pasadena Refining System, Inc., a Connecticut corporation, with its principal place of business located at 111 Red Bluff Rd., Pasadena, Texas 77506 (hereafter referred to as "PRSI") and OMI Environmental Solutions, a Lousiana corporation with its principal place of business located at 131 Keating Drive, Belle Chasse, LA 70037 (hereafter referred to as "Contractor/Supplier"), each sometimes referred to as a "Party" and collectively as the "Parties".

Whereas, from time to time, PRSI may desire to obtain Services/Goods provided by Contractor (as defined below) and Contractor may be willing to provide those Services/Goods in the manner and type agreed to by the Parties and for the price/consideration agreed to by the Parties; and

Whereas, the Parties wish to agree on the terms and conditions relating to providing such Services/Goods;

NOW. THEREFORE, in consideration of the mutual promises, covenants, warranties, and agreements set forth below, the Parties agree as follows:

GENERAL PRINCIPLES

Objective of the Agreement:

Environmental Recovery

Scope of the Agreement:

Oil Spill Response or as further specified in Exhibit "A".

Total Contract Value:

The estimated maximum aggregated value of this Contract is \$100,000.00 (USD One Hundred Thousand Dollars and 00/100. However, PRSI is not obliged to consume any or all of such estimated amount. PRSI is only obligated to pay for the portion of the Work that has been completed successfully in accordance with the terms, conditions and specifications of this Contract as per the rates detailed in Exhibit A.

Duration of the Service Contract: The term of this Contract shall commence on the Effective Date and shall remain in full force and effect for a term of three (3) years or until the maximum service Contract value is reached, whichever comes first, and may be extended upon mutual agreement between the parties.

DEFINITIONS

The following terms shall have the meaning set forth below. Other defined terms in this Contract shall have the meaning set forth elsewhere in this Contract.



IN WITNESS WHEROF, the parties hereto have executed this Contract as of the 26th day of January, 2015.

SIGNED A	ND ACCEPTED	SIGNED	AND ACCEPTED	
Pasadena By: Name: Title: Date:	Refining System, Inc. Mark Berlinger Director of HSE PRSI 1-29-15	By: Name: Title:	Environmental Selutions Toward Roxann Baudean Contract Administrator January 27, 2015	
WITNESSE Hassi Name:	arry Thomas Buyer	WITNESSED BY: Name:		

CLEAN CHANNEL ASSOCIATION Houston COTP Zone



January 4, 2016

Ms. Alisa White Pasadena Refining

Dear Alisa:

This is to confirm that Pasadena Refining is a member in good standing of Clean Channel Association, Inc. (CCA), an oil spill response cooperative. CCA maintains the highest classification as an oil spill removal organization (OSRO): MM/W1-W3, River/Canal/Inland, for Facilities and Vessels in Houston and Port Arthur COTP zones, and is a Texas General Land Office certified Discharge Cleanup Organization.

CCA will respond to Pasadena Refining's worst case spill, if requested by an authorized member representative.

CCA's spill response equipment is maintained and tested on a routine basis in accordance with manufacturers' suggestions and our self-established preventative maintenance schedule. CCA has also developed aerial surveillance capabilities through the use of a drone.

In addition to the maintenance program, CCA conducts drills designed to meet OSRO PREP requirements. Last year we responded to two member emergencies and participated in 12 equipment deployments/SMT table-top drills.

Finally, the larger CCA vessels hold Certificates of Inspection, which subject the vessels to periodic U.S. Coast Guard inspection.

Sincerely,

S. P. Glenn President

Encl: Clean Channel Assn. Equipment List

USCG OSRO List TGLO DCO

CLEAN CHANNEL ASSOCIATION EQUIPMENT

- A. Equipment located at CCA/Pasadena office/warehouse
 - 1. Trailer containing 1700 feet of 18" oil spill containment boom with related equipment including, without limitation, tow bridals and anchors
 - 2. Two 18' outboard powered workboats
 - 3. Three each three-inch diesel driven portable pumps with portable hoses
 - 4. Two each two-inch diesel driven portable pumps with hoses
 - 5. One 24' decontamination trailer, supplies for 100 showers, and cleaning materials
 - 6. One Pharos Marine GT-185 skimming system with hydraulic power pack
 - 7. One Gastech LEL/OXY/H₂S meter
 - 8. 2,000 feet of 8" oil spill containment boom
 - 9. Five portable weir skimmers (Douglas 18000)
 - 10. Two portable weir skimmers (Crucial ALWEIR 3")
 - 11. One ABASCO model SSK8 weir skimmer)
 - 12. Sludgemaster Pump for heavy oils (300 gpm)
 - 13. 40' shipping container
 - 14. One LORI skimming system mounted on a 26' vessel with 20 bbls storage.
 - 15. One JBF DIP 402 Skimmer Vessel
 - 16. One DJI Phantom Drone with 4K camera and gyro/GPS stabilizer
- B. One 40' shipping container located at Dow Chemical Co., Freeport, Texas equipped with the following
 - 1. 500 feet of 36" oil spill containment boom with related equipment including, without limitation, tow bridals and anchors and line
 - 2. 1,500 feet of 24" oil spill containment boom
 - 3. One each three-inch diesel driven portable pump with portable hoses
 - 4. One portable wier skimmer (Douglas 18000)
 - 5. One 2,100 gal. Fastank portable storage container
- C. The following equipment is owned by Clean Channel Association and normally stored on board vessels *Clean Channel 2* and *Clean Channel 3*:
 - 1. 1,000 feet of 18" oil spill containment boom (each skimmer barge)
 - 2. One portable wier skimmer (Douglas 18000) with hoses (each skimmer barge)
- D. One 20' trailer located at T&T Marine Salvage, Galveston, Texas, containing 1,000 feet of 18" oil spill containment boom.
- E. One LORI skimming system mounted on a 24' vessel with 50 bbls storage located in Freeport, Texas.
- F. One JBF DIP 402 Skimmer Vessel located at Shell Oil Deer Park Refinery.

CLEAN CHANNEL ASSOCIATION, INC. LEASED EQUIPMENT

Clean Channel 2 and Clean Channel 3 -

Two (2) recovery barges 30' x 120' with 1,500 bbl capacity with oil recovery system and related equipment including:

- 1. built-in weir skimming system
- 2. cargo pump 4", electric driven
- 3. trash pump 3",. electric driven, 3 each
- 4. 100kw diesel powered generator
- 5. three (3) 2" double diaphragm air pumps
- 6. two Elastec Model 136 two-drum skimmers

COTP Zone:

Houston - DISTRICT 8 - High Volume Port

			OSRO	Name:				
	Cle	an Channe	el Associa	tion - OSI	RO Numbe	er: 11		
Operating Environment	Facility MMPD	Facility WCD1	Facility WCD2	Facility WCD3	Vessel MMPD	Vessel WCD1	Vessel WCD2	Vessel WCD3
Inland	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
River or Canal	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

COTP Zone:

Port Arthur - DISTRICT 8 - High Volume Port

			OSRC	Name:				
	Cle	an Channe	el Associa	tion - OSI	RO Numbe	er: 11		
Operating Environment	Facility MMPD	Facility WCD1	Facility WCD2	Facility WCD3	Vessel MMPD	Vessel WCD1	Vessel WCD2	Vessel WCD3
Inland	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
River or Canal	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes



Discharge Cleanup Organization Certificate

Clean Channel Association

Pasadena, Texas

This certificate carries with it the need to maintain a high level of response preparedness, to respond in a timely, professional manner, and to notify the Texas General Land Office of any change in the Holder's ability to accomplish this mission. Certification is for three years from the above date.

Commissioner
Texas General Land Office

Directo

Oil Spill Prevention and Response

EVACUATION PLAN

Evacuation Procedures

In case of an emergency within the Facility that would necessitate evacuation, some or all of the following steps are taken, depending on type of emergency and circumstances:

- Give verbal alarm (via radio or whatever means necessary).
- Call Security Control for internal/external notifications.
- Shut down loading, unloading, pipeline, and marine operations.
- Turn off all vehicles and evacuate upwind to nearest rally point.
- Evacuate trucks from facility (provided that a safe operating environment exists).
- Divert incoming trucks/vessels to a safe distance away from the Facility.
- Evacuate all personnel to the Rally Point (see diagram).
- Consider prevailing wind directions and speed, as well as water current and tidal conditions because certain conditions may eliminate the use of specific evacuation routes and/or muster points.

Location of Alarm / Notification System

All internal systems/signals are clearly understood by all personnel, checked and practiced frequently, and the communications equipment is maintained in "intrinsically safe" condition.

Security Control operates the refinery Emergency Notification System (ENS). When an emergency is called in to Security Control the ENS is activated and detailed alert information will broadcast to the facility. If the ENS is inoperable, the nitrogen evacuation alarm is the emergency backup.

Area wide alarms do not exist at this Facility. Evacuation of the surrounding community would be the responsibility of the City of Pasadena/Local Emergency Planning Committee (LEPC).

Evacuation Response

The decision to evacuate the facility will be made by the incident commander, plant manager, or assistant incident commander and announced via handheld radios or Facility PA system.

Additionally, all employees that work out in the plant have access to an intrinsically safe two -way radio for emergency alarm/notification communication equipment. Additional radios are available for contractors and nonplant employees. The facility has provided for local, state, and federal communication of potential hazards.

Community Evacuation Plan

Any community evacuation will be coordinated by the local fire and police departments. Contacts for local responders are identified in Figure 2.5 on the Fire, Police, Hospitals, and the LEPC, are provided on the Required Notifications table. Local government maintains their own community evacuation plans.

Evacuation Routes / Alternative Routes of Evacuation / Centralized Check-In Areas

Evacuation diagrams are posted throughout the refinery, tank farm, and at the dock, showing evacuation routes from different areas of the Facility. These routes are as follows:

Refinery Area

Primary Route – safest route to the nearest rally point (North, South, East or West)

Dock Area

Primary Route – safest route to the nearest rally point

Evacuation points have also been established for each area. These points are as follows:

North - Old Fab Yard - west of Tank 353

South – Administration Building Parking Lot – Gate #7

East – Gate #13

West - Warehouse Yard at Gate #2

A roll call would be taken to account for all personnel.

RBTF

Main Access Gate

Operations

All Non Emergency Response Team Operating Personnel will remain in assigned areas and safely operate critical equipment unless instructed otherwise by IC or Operations Supervision.

Arrival Routes

Arrival routes of emergency response personnel and response equipment and transportation routes of injured personnel would be via Washburn Tunnel Service Road, Old Crown Road, North Witter Road and Red Bluff Road.

On-Site Shelter

Shelter locations at the Facility consist within the following structures:

- Reformer #3 Alkylation Control Room
- Planning Building
- Administration Building
- Lab
- Maintenance Building Offices
- Operations Building
- Refinery Control Center

Mitigation Command Center

The primary Emergency Operation Center (EOC) is located in the Pasadena Refining Administration Building on the second floor.

Water Currents, Tides, Wave Conditions

The Houston Ship Channel area typically experiences two (2) high tides and two (2) low tides on a daily (24 hour) cycle. The mean tidal range is approximately 1.65 feet with a high level of 1.42 feet although higher water levels up to 3.0 feet may be present during floods. Tidal currents range from approximately 0.74 knots during maximum ebb conditions to approximately 0.47 knots during maximum flood although higher currents up to 2.1 knots may be present during floods. The Houston Ship Channel area represents a sheltered environment.

Prevailing Winds

Prevailing winds in Houston are typically out of the southeast throughout the year. Cold fronts will change the prevailing wind to the northwest. Depending on the cold front strength and speed, strong winds can occur 2 to 3 days in advance and last 1 to 2 days after.

Hazard of Spilled Materials

Evacuation routes will also be determined based on the hazards imposed by a spilled material; for instance, if a spill were flowing in the direction of an ignition source (fire hazard), the evacuation route would be selected in an opposite direction. Refer to the Tank Table in the SPCC plan for hazards posed on site, in addition to those listed on the Facility Diagrams; SDSs are maintained on site for product specific considerations.

Location of Stored Materials and Spill Flow Direction

The Facility stores a number of chemicals and petroleum products. For purposes of the ICP, the below represents a list of normally stored materials; refer to the Drainage Diagram for predicted spill flow directions as applicable to this plan.

Products Handled:

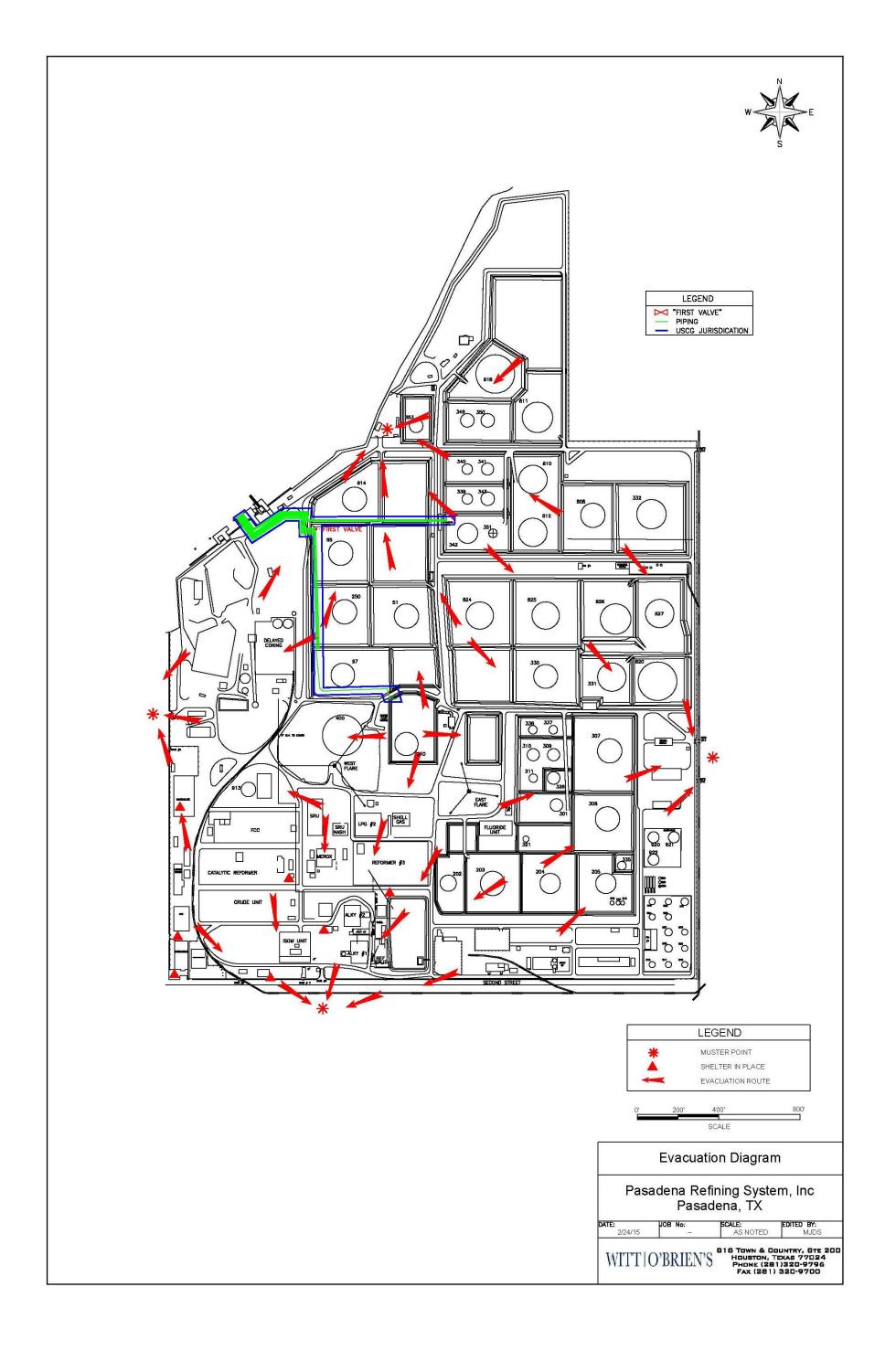
Crude Oil	Benzene Extract	Naphtha
Gasoline	Spent Caustic	Propane/Propylene Mix
Kerosene	Propane	Normal Butane
Isobutane	Heavy Oil/Slurry/Fuel Oil	Butane/Butylene Mix
Diesel	Jet Fuel	Gas Oil

Transportation of Injured Personnel

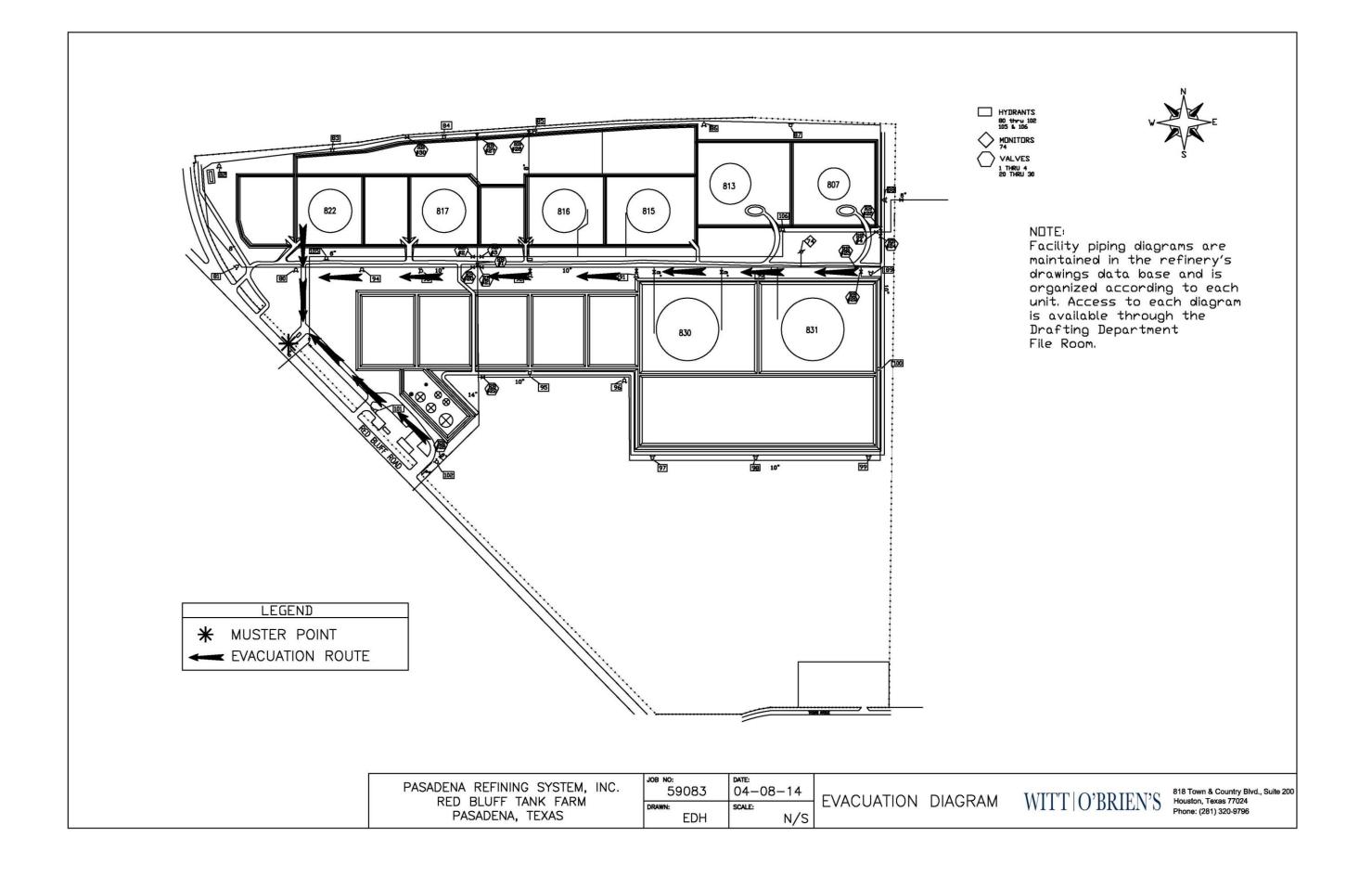
Head west on Red Bluff for – 43 feet
At the traffic circle, take the 3rd exit onto N Shaver Street – 3.81 miles
Turn left onto Spencer Hwy – 1.4 miles
Turn right onto Bayshore Ave – 0.2 miles
Turn right onto Medical Cir – 72 feet
Destination will be on left

Bayshore Medical Center 4000 Spencer Highway Pasadena, TX 77504

EVACUATION DIAGRAM REFINERY



EVACUATION DIAGRAMRED BLUFF TANK FARM



WASTE MANAGEMENT

OVERVIEW

A major oil spill response would generate significant quantities of waste materials ranging from oily debris and sorbent materials to sanitation water and used batteries. All these wastes need to be classified and separated (i.e., oily, liquid, etc.), transported from the site, and treated and/or disposed of at approved disposal sites. Each of these activities demands that certain health and safety precautions be taken, which are strictly controlled by federal and state laws and regulations. This section provides an overview of the applicable state regulations governing waste disposal, and a discussion of various waste classification, handling, transfer, storage, and disposal techniques. It is the responsibility of the Environmental Manager to manage waste disposal needs during an oil spill cleanup.

WASTE CLASSIFICATION

Oily - Liquid Wastes

Oily liquid wastes (i.e., oily water and emulsions) that would be handled, stored, and disposed of during response operations are very similar to those handled during routine storage and transfer operations. The largest volume of oily liquid wastes would be produced by recovery operations (e.g., through the use of vacuum devices or skimmers). In addition, oily water and emulsions would be generated by vehicle operations (e.g., spent motor oils, lubricants, etc.), and equipment cleaning operations.

Non-Oily - Liquid Wastes

Response operations would also produce considerable quantities of non-oily liquid wastes. Water and other non-oily liquid wastes would be generated by the storage area and storm water collection systems, vessel and equipment cleaning (i.e., water contaminated with cleaning agents), and office and field operations (i.e., sewage, construction activities).

Oily - Solid/Semi-Solid Wastes

Oily solid/semi-solid wastes that would be generated by containment and recovery operations include damaged or worn-out booms, disposable/soiled equipment, used sorbent materials, saturated soils, contaminated beach sediments, driftwood, and other debris.

Non-Oily - Solid/Semi-Solid Wastes

Non-oily solid/semi-solid wastes would be generated by emergency construction operations (e.g., scrap, wood, pipe, and wiring) and office and field operations (i.e., refuse). Vessel, vehicle, and aircraft operations also produce solid wastes.

WASTE HANDLING

A primary concern in the handling of recovered oil and oily debris is contaminating unaffected areas or recontaminating already cleaned areas. Oily wastes generated during the response operations would need to be separated by type and transferred to temporary storage areas and/or transported to recycle, treatment or disposal sites. Proper handling of oil and oily wastes is imperative to ensure personnel health and safety.

Safety Considerations

Care would be taken to avoid or minimize direct contact with oily wastes. All personnel handling or coming into contact with oily wastes would wear protective clothing. A barrier cream can be applied prior to putting on gloves to further reduce the possibility of oily waste absorption. Safety goggles would be worn by personnel involved in waste handling activities where splashing might occur. Any portion of the skin exposed to oily waste would be washed with soap and water as soon as possible. Decontamination zones would be set up during response operations to ensure personnel are treated for oil exposure.

Waste Transfer

During response operations, it may be necessary to transfer recovered oil and oily debris from one point to another several times before the oil and oily debris are ultimately recycled, treated or disposed of at an appropriate disposal site. Depending on the location of response operations, any or all of the following transfer operations may occur:

- From portable or vessel-mounted skimmers into flexible bladder tanks, storage tanks of the skimming vessel itself, or a barge.
- Directly into the storage tank of a vacuum device.
- From a skimming vessel or flexible bladder to a barge.
- From a vacuum device storage tank to a barge.
- From a barge to a tank truck.
- From a tank truck to a processing system (e.g., oil/water separator).
- From a processing system to a recovery system.
- Directly into impermeable bags that, in turn, are placed in impermeable containers.
- From containers to trucks.

There are four general classes of transfer systems that may be employed to affect oily waste transfer operations:

• Pumps: Rotary pumps, such as centrifugal pumps, may be used when transferring large volumes of oil, but they may not be appropriate for pumping mixtures of oil and water. The extreme shearing action of centrifugal pumps tends to emulsify oil and water, thereby increasing the viscosity of the mixture and causing low, inefficient transfer rates. The resultant emulsion would also be more difficult to separate into oil and water fractions. Lobe or "positive displacement" pumps work well on heavy, viscous oils, and do not emulsify the oil/water mixture. Double-acting piston and double acting diaphragm pumps are reciprocating pumps that may also be used to pump oily wastes.

Waste Transfer (Cont'd)

- **Vacuum Systems**: A vacuum truck may be used to transfer viscous oils but they usually pick up a very high water/oil ratio.
- Belt/Screw Conveyors: Conveyors may be used to transfer oily wastes containing a large amount of debris. These systems can transfer weathered debris laden oil either horizontally or vertically for short distances (i.e., 10 feet) but are bulky and difficult to set up and operate.
- Wheeled Vehicles: Wheeled vehicles may be used to transfer liquid wastes or oily debris
 to storage or disposal sites. These vehicles have a limited transfer volume (i.e., 100 barrels)
 and require good site access.

Table F-1 provides a comparative evaluation of 15 types of transfer systems that could be available for transfer operations.

WASTE STORAGE

Interim storage of recovered oil, oily and non-oily waste would be considered to be an available means of holding the wastes until a final management method is selected. In addition, the segregation of wastes according to type would facilitate the appropriate method of disposal. The storage method used would depend upon:

- The type and volume of material to be stored.
- The duration of storage.
- Access.

During an oil spill incident, the volume of oil that can be recovered and dealt with effectively depends upon the available storage capacity. Typical short-term storage options are summarized in Table F-2. The majority of these options can be used either onshore or offshore. If storage containers such as bags or drums are used, the container must be clearly marked and/or color-coded to indicate the type of material/waste contained and/or the ultimate disposal option. Bladder or pillow tanks would be acceptable, if the available space can support the weight of both the container and the product.

Fuel barges may be the best option for temporary storage of oil recovered in open waters. Depending on size, these vessels may be able to hold up to 6,000 barrels of oil and water. The barge deck can be used as a platform for operating oil spill clean-up equipment and storing containment boom.

Empty barges have four to six feet draft which would increase when these barges are filled with oil or loaded with cargo. Consequently, they may not be able to enter shallow, nearshore waters.

It may be difficult to off-load recovered oil stored inside barges. Due to natural forces which affect spilled oil, recovered oil may be very viscous or emulsified, rather than free-flowing. It may be necessary to use steam to heat viscous oil before pumping it from the barge.

Steel or rubber tanks can be used to store oil recovered near the shoreline. To facilitate off loading, demulsifiers may be used to break emulsions prior to placing the recovered substance into the barges or storage tanks.

WASTE STORAGE (Cont'd)

Use of any site for storage is dependent on the approval of the local authorities. The following elements affect the choice of a potential storage site:

- Geology.
- Ground water.
- Soil.
- Flooding.
- Surface water.
- Slope.
- Covered material.
- Capacity.
- Climatic factors.
- Land use.
- Toxic air emissions.
- Security.
- Access.
- Public contact.

Temporary storage sites should use the best achievable technology to protect the environment and human health. They should be set up to prevent leakage, contact, and subsequent absorption of oil by the soil. The sites should be bermed (1 to 1.5 meters high) and double lined with plastic or visqueen sheets 6-10 millimeters or greater in thickness, without joints, prior to receiving loose and bagged debris. The edges of the sheet should be weighted with stones or earth to prevent damage by wind, and the sheet should be placed on a sand layer or an underfelt thick enough to prevent piercing. A reinforced access area for vehicles at the edge of the site should be provided. In addition, the oily debris should be covered by secured visqueen or tarps and an adequate storm water runoff collection system for the size and location of the site would be utilized. Additionally, the sites should be at least 3 meters above mean sea level.

Oily debris can be hauled to approved temporary storage sites in visqueen lined trucks or other vehicles. Burnable, non-burnable, treatable and re-usable materials can be placed in well defined separate areas at temporary storage sites.

When the last of the oily debris leaves a temporary storage site, the ground protection would be removed and disposed of with the rest of the oily debris. Any surrounding soil which has become contaminated with oil would also be removed for disposal or treatment. If the soils were removed for treatment, they may be replaced if testing proves acceptable levels have been achieved. Treatment and remediation is encouraged when feasible. The temporary storage should be returned to its original condition.

WASTE DISPOSAL

Techniques for Disposal of Recovered Oil

Recovery, reuse, and recycling are the best choices for remediation of a spill, thereby reducing the amount of oily debris to be disposed of at a solid waste landfill. Treatment is the next best alternative, landfill disposal is a final option. Treatment or stabilization prior to landfilling may be required for some wastes including Hazardous Wastes with Land Disposal Restrictions.

During an oil spill incident, PRSI would consult with the federal and state On Scene Coordinator (OSC) to identify the acceptable disposal methods and sites appropriately authorized to receive such wastes. PRSI maintains a list of approved disposal sites that satisfy local, state, and federal regulations and company requirements. This identification of suitable waste treatment and disposal sites would be prepared by Environmental Matters Representative in the form of an Incident Disposal Plan which must be authorized by the U.S. Coast Guard and/or the EPA. An Incident Disposal Plan would include predesignated interim storage sites, segregation strategies, methods of treatment and disposal for various types of debris, and the locations/contacts of all treatment and disposal site selections. Onsite treatment/disposal will be preferred.

In order to obtain the best overall Incident Disposal Plan, a combination of methods should be used. There is no template or combination of methods that can be used in every spill situation. Each incident should be reviewed carefully to ensure an appropriate combination of disposal methods are employed.

The different types of wastes generated during response operations would require different disposal methods. To facilitate the disposal of wastes, they should be separated by type for temporary storage, transport and disposal. Table F-3 lists some of the options that would be available to segregate oily wastes. The table also depicts methods that may be employed to separate free and/or emulsified water from the oily liquid waste.

The following is a brief discussion of some disposal techniques available for recovered oil and oily debris.

Recycling

This technique entails removing water from the oil and blending the oil with uncontaminated oil. Recovered oil can be processed in the refinery to remove water and be run through the normal refining processes with other recovered oil. Non-hazardous Oily Dirt can be recycled into Department of Transportation Specification Material at approved HPP/Southern Crushed Concrete recycling facilities.

PRSI's **Environmental Manager** is responsible for ensuring that all waste materials be properly disposed of at a PRSI internally approved disposal site.

Landfill Disposal

Class 1 non-hazardous Oily Trash and Oily Dirt can be disposed of at the Waste Management Conroe Landfill. Class 2 non-hazardous Oily Dirt can be disposed of at the Waste Management Landfill in Baytown. Disposal at a non-approved facility would require approval by PRSI **Environmental Manager** prior to sending any waste to such a facility.

In Situ Burning/Open Burning

Burning techniques entail igniting oil or oiled debris and allowing it to burn under ambient conditions. These disposal techniques are subject to restrictions and permit requirements established by federal, state and local laws. They would not be used to burn PCBs, waste oil containing more than 1,000 parts per million of halogenated solvents, or other substances regulated by the EPA. Permission for *in situ* burning may be difficult to obtain when the burn takes place near populated areas.

As a general rule, *in situ* burning would be appropriate only when atmospheric conditions will allow the smoke to rise several hundred feet and rapidly dissipate. Smoke from burning oil will normally rise until its temperature drops to equal the ambient temperature. Afterwards, it will travel in a horizontal direction under the influence of prevailing winds

Table F-1

TABLE F-1 COMPARATIVE EVALUATION OF OIL SPILL TRANSFER SYSTEMS

CHARACTERISTICS OF TRANSFER SYSTEMS	CENTRIFUGAL PUMP	LOBE PUMP	GEAR PUMP	INTERMESCHING SCREW	VALVE PUMP	FLEXIBLE IMPELLER	SCREW/AUGER PUMP	PROGRESSING CAVITY	PISTON PUMP	DIAPHRAGM PUMP	AIR CONVEYOR	VACUUM TRUCK	PORTABLE VACUUM PUMP	CONVEYOR BELT	SCREW CONVEYOR	WHEELED VEHICLES
High Viscosity Fluids	1	5	5	5	3	2	5	5	5	3	5 5	4 5	4 5	5 1	4	5 5
Low Viscosity Fluids	5	2	2	2	3	4	1	3	3	3	4	5	3	2	2	2
Transfer Rate	5	2	1	1	3	4		~	4	3			_			
Debris Tolerance	5	3	1	1	1	4	5	5	3	4	5	5	5	5	5	5
 Silt/Sand Gravel/Particulate 	5	2	1 1	i		2	5	3	2	3	5	5	4	5	4	5.
Seaweed/Stringy Matter	2	3	4	3	2	2	4	4	3	3	4	4	3	5	4	5
Tendency to Emulsify Fluids	1 1	4	3	3	3	3	5	5	2	5	5	5	5	5	5	5
Ability to Run Dry	5	3	2	1	2	3	4	3	3	2	5	5	5	4	3	18
Ability to Operate Continuously	5	3	2	2	2	3	3	3	4	4	3	3	3	3	2	4
Self Priming	1	3	2	2	2	5	1	5	4	4	5	5	5	5	5	1 1
Suction/Head	2	3	2	2	3	4	1,	5	5	2	5	4	3	2	3	
Back Pressure/Head	1	5	5	5	4	3	4	5	2	4	1	1	1	3	1	
Portability	5	3	3	2	4	4	3	2	3	5		4	2	1 3	2	3
Ease of Repair	5	3	2	2	3	4	3	2	3	5	1	1	2	2	2	3
Cost	5	В	2	2	3	3	1 1	2 B			EGI	F,G,I			~	G,H,I
Comments	E,J	В	В	B,J		F	A	B	B,D	M,U,D	1,0,1	1,0,1	1,0	L	L	[~,,,]

KEY TO RATINGS:

5 = Best; 1 = Worst

KEY TO COMMENTS:

- A. Normally require remote power sources, thus are safe around flammable fluids.
- B. Should have a relief valve in the outlet line to prevent bursting hoses.
- C. Air powered units tend to freeze up in sub-freezing temperatures.
- D. Units with work ball valves are difficult to prime.
- E. Some remotely powered types are designed to fit in a tanker's butterworth hatch.
- F. Can also pump air at low pressure.
- G. Transfer is batch-wise rather than continuous.
- H. Waste must be in separate container for efficient transfer.
- I. Transpsortable with its own prime mover.
- J. High shear action tends to emulsify oil and water mixtures.

Table F-2
TEMPORARY STORAGE METHODS

CONTAINER	ONSHORE	OFFSHORE	SOLIDS	LIQUIDS	NOTES
Barrels	х	х	х	х	May require handling devices. Covered and clearly marked.
Tank Trucks	Х	x		х	Consider road access. Barge-mounted offshore.
Dump/Flat Bed Trucks	х		X		May require impermeable liner and cover. Consider flammability of vapors at mufflers.
Barges		×	х	х	Liquids only in tanks. Consider venting of tanks.
Oil Storage Tanks	х	х		Х	Consider problems of large volumes of water in oil.
Bladders	Х	Х		Х	May require special hoses or pumps for oil transfer.

Table F-3

OILY WASTE SEPARATION AND DISPOSAL METHODS

TYPE OF MATERIAL	SEPARATION METHODS	DISPOSAL METHODS
LIQUIDS		
Non-emulsified oils	Gravity separation of free water	Use of recovered oil as refinery/production facility feedstock
Emulsified oils	 Emulsion broken to release water by: heat treatment emulsion breaking chemicals mixing with sand centrifuge filter/belt press 	Use of recovered oil as refinery/production facility feedstock
SOLIDS		
Oil mixed with sand	Collection of liquid oil leaching from sand during temporary storage	Use of recovered oil as refinery/production facility feedstock
	Extraction of oil from sand by washing with water or solvent	Direct disposal
	Removal of solid oils by sieving	Stabilization with inorganic material
		Degradation through land farming or composting
Oil mixed with cobbles or pebbles	Screening	Direct Disposal
pennies	Collection of liquid oil leaching from materials during temporary storage	Use of recovered oil as refinery/production facility feedstock
	Extraction of oil from materials by washing with water or solvent	Teeustock
Oil mixed with wood, seaweed and sorbents	Screening	Direct disposal
and sorbents	Collection of liquid oil leaching from debris during temporary storage	Degradation through land farming or composting for oil mixed with seaweed or
	Flushing of oil from debris with water	natural sorbents
Tar balls	Separation from sand by sieving	Direct disposal

Table F-4 DISPOSAL PLAN

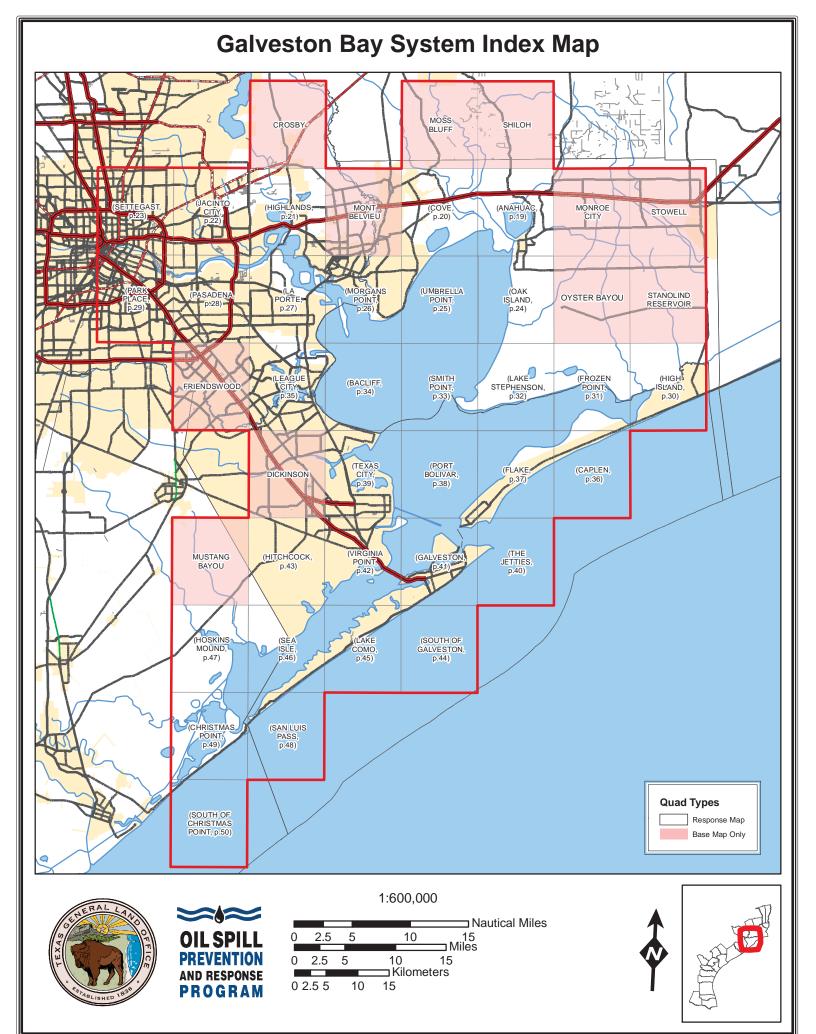
MATERIAL	DISPOSAL FACILITY	LOCATION	RCRA PERMIT/MANIFEST
Recovered Product	On-site	Recovered Oil System	N/A
2. Contaminated Soil	On-site	In-Situ	N/A
Contaminated Soil	Waste Management	Conroe, Texas	Manifest
Contaminated Soil	HPP/SCC	Various	N/A
5. Contaminated Soil	HPP/SCC	Various	N/A
6. Contaminated Equipment	On-Site	Clean-up Pad	N/A
7. Contaminated Equipment	Waste Management	Conroe, Texas	Manifest
8. Contaminated Equipment	Veolia	Port Arthur, Texas	Both
9. Personnel Protective Equipment	Waste Management	Conroe, Texas	Manifest
10. Personnel Protective Equipment	Veolia	Port Arthur, Texas	Both
11. Decontamination Solution	On-Site	Process Sewer	N/A
12. Absorbents	Waste Management	Conroe, Texas	Manifest
13. Absorbents	Veolia	Port Arthur, Texas	Both
14. Spent Chemicals	On-Site	Recovered Oil system	N/A
15. Spent Chemicals	On-Site	Process Sewer	N/A
16. Spent Chemicals	Waste Management	Conroe, Texas	Manifest
17. Spent Chemicals	Veolia	Port Arthur, Texas	Both
18. Spent Chemicals	CWM	Port Arthur, Texas	Both
19. Spent Chemicals	CWM	Sulfur, Louisiana	Both

FIGURE 6.3

ENVIRONMENTAL SENSITIVITY MAPS

The following Environmental Sensitivity Maps have been prepared utilizing Texas General Land Office and National Oceanic & Atmospheric Administration's Texas Oil Spill Planning and Response Atlas as the base. The maps include a key to the reference symbols located on each map.

Remember these maps are to be utilized as guidelines only. During an actual response effort, Federal, State and Local agencies should be contacted to provide further assistance in the proper identification and protection of the various environmental and socio-economic sensitive areas.





LEGEND

ENVIRONMENTAL SENSITIVITY INDEX

MANGROVE MARSH (10D)

FRESHWATER SWAMPS (10C)

FRESHWATER MARSHES (10B)

SALT AND BRACKISH MARSHES (10A)

SHELTERED TIDAL FLATS (9)

SHELTERED ROCKY/KARST SHORES (8D)

SHELTERED SCARPS (8C)

SHELTERED RIPRAP STRUCTURES (8B)

SHELTERED SOLID MAN-MADE STRUCTURES (8A)

EXPOSED TIDAL FLATS (7)

EXPOSED RIPRAP STRUCTURES (6B)

GRAVEL OR SHELL BEACHES (6A)

MIXED SAND AND GRAVEL OR SHELL

BEACHES (5)

COARSE-GRAINED SAND BEACHES (4)

SCARPS AND STEEP SLOPES IN SAND (3B) FINE-GRAINED SAND BEACHES (3A)

WAVE-CUT CLAY PLATFORMS (2B) SCARPS AND STEEP SLOPES IN CLAY (2A)

EXPOSED WALLS AND OTHER SOLID STRUCTURES (1)

HYDROGRAPHY

MARSH, WETLAND

TIDAL, MUD OR SAND FLATS

BEACH, BAR

INTERMITTENT WATER BODY

DUNES

SUBMERGED AQUATIC VEGETATION

MANGROVES

OYSTERS

PRIORITY PROTECTION AREAS

HIGH MEDIUN

MEDIUM PRIORITY

LOW PRIORITY

BIOLOGICAL RESOURCES

DIVING BIRDS

GULLS/TERNS

PASSERINE BIRDS

PELAGIC BIRDS

RAPTORS

SHOREBIRDS

WADING BIRDS

WATERFOWL

FISH

DOLPHINS

SMALL MAMMALS

UPLAND/WETLAND PLANTS

SUBMERGED AQUATIC VEGETATION

ALLIGATOR

TURTLES

OTHER REPTILES/AMPHIBIANS

BIVALVES

CRABS

B GASTROPODS

SHRIMP

%

SQUID

THREATENED/ENDANGERED SPECIES

POLITICAL BOUNDARIES

—-— COUNTY BOUNDARY

MUNICIPAL BOUNDARY

TRANSPORTATION

DIVIDED HIGHWAY

STATE/FEDERAL HIGHWAY

CITY STREET/COUNTY ROAD

AIRPORT

HHHH RAILROAD

---- SHIP CHANNEL/GULF INTRACOASTAL WATERWAY

——— SHIPPING SAFETY FAIRWAY

HUMAN USE FEATURES

AQUACULTURE SITE

BEACH ACCESS POINT

BOAT RAMP

COAST GUARD STATION

HELIPORT

LIGHTHOUSE

(MARINA

WATER INTAKE POINT

OTHER LAYERS

ANCHORAGE AREA

AUDUBON SANCTUARY

BIRD ROOKERY AREA

CITY OR COUNTY PARK

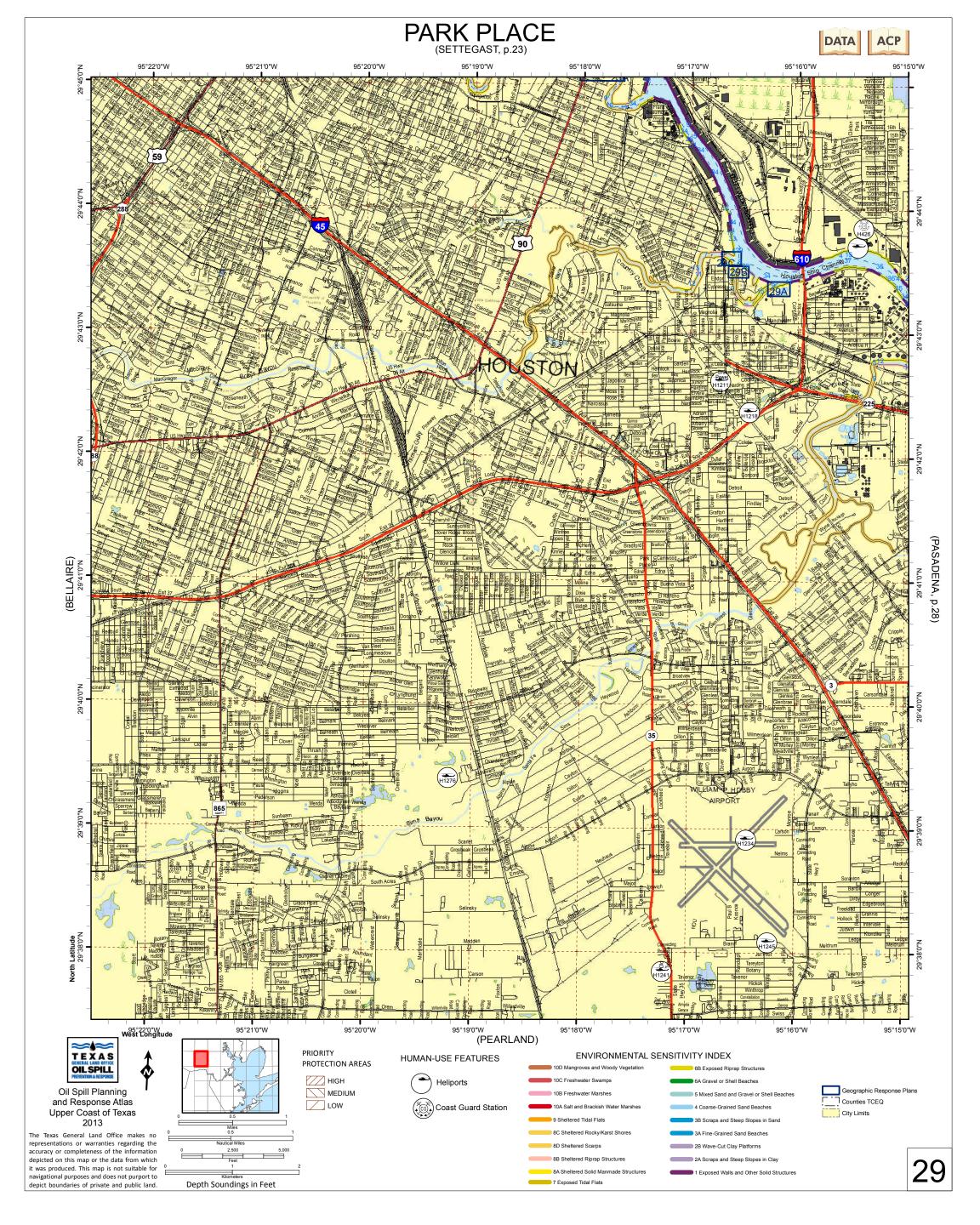
COASTAL PRESERVE

MUNICIPAL AREA

NATIONAL WILDLIFE REFUGE

STATE PARK/WILDLIFE MANAGEMENT AREA

WASHOVER AREA



PARK PLACE

Map #29

	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ 		<u> </u>	<u> </u>
	_	HUMAN USE RESOURCES	-	
Coast Gua	rd Facilities			
RARNUM	NAME	PHONE		
H426	MSO Houston/Houston Station	(713) 672-6639		
Heliports				
RARNUM	MANAGER	PHONE		
H1211	Tom R. Lewis			
H1218	Raleigh Abner	(713) 921-8181		
H1234	J.W. Snelson	(713) 641-0281		
H1235	Captian Waggett	(713) 672-6639		
H1241	William D. Shirley	(713) 991-6300		
H1245	Dudley Tarlton	(713) 871-8010		
H1276	Houston Police Department	(713) 731-5212		

1. Incident N	nt Name 2. Operational Period (Date/Time)				Assignment List ICS 204-OS				
3. Branch				4. Division/G	roup				
5. Operations Operation	s Personnel as Section Chief Branch Director	Name		Affiliation			Contact #(s)		
Division/G	roup Supervisor								
6. Resources	Assigned This F	eriod			"X" indi	cates 204a atta	achment with special instructions		
Resour	Resource Identifier Lea		ader	Contac	ct Info #	# or Persons	Reporting info/Notes/Remarks ▼		
7. Assignme	nts								
Boom sout	th entrance to H	Harrisburg E	Bend.						
Safety Note:	Crews operat	ing near sh	ip channel s	hould expe	ct wake ac	tion as vess	els pass. Debris is a common		
occurrence	e. In security z	one.							
8. Site #	9. Quad Name		10. NOAA Ch	art #	11. TGLO At	las Page#	12. County		
29 A	Park Place		11325			29	Harris		
13. Site Infor	rmation				-		14. Latitude		
Southeast	entrance into H	larrisburg E	Bend. Harris	sburg Bend	extends ar	ound Brady	29-43-25N		
	the Houston Sh						15. Longitude		
	Shipyard Brad				,		95-16-15W		
16. Closest E		,	17. Distance	From Ramp		18. Boat Type			
NA			NA				uminum Hull		
	s From MSO Hou	ston-Galvest	on				20. Closest Airport		
							Houston Hobby (HOU)		
							21. Closest Helispot		
No ramps i	in area. Minute	s by boat fr	om MSO Ho	ouston-Galv	eston.		MSO Houston-Galveston		
	Contact Numbers	- 2	23. Resource				24. Width of Inlet		
USCG	713-671-5100		Atlas Priority:				250'		
TGLO	281-470-6597		N/A				25. Water depth		
TCEQ	512-463-7727		Environmental	l :			17'		
RCC	713-869-5001		N/A	•			26. Current Slow		
TPWD	281-534-0130		Economic:				27. # of Personnel		
USFWS	281-286-8282		N/A				2-4		
	Strategy Recome		14/74						
26. Booming	Strategy Recomm	endation							
Room clos	e to spill site to	nrevent mi	gration						
DOOM CIOS	e to spili site to	prevent ini	gration.			The Market of the State of the			

29. Prepared By: 30.Reveiwed by (PSC): 31. Reveiwed by (OSC):

Assignment List ICS 204 OS (Geographic Response Plan) Updated: 11 April 2006

1. Incident N	lame	2. Operational Period (Date/Time)				Assignment List ICS 204-OS			
3. Branch				4. Division/G	roup				
Operation	ntions Personnel Name rations Section Chief Branch Director ion/Group Supervisor			Affiliation			Contact #(s)		
	s Assigned This F		. 1	0 1			achment with special instructions		
Resou	rce Identifier	Lea	der	Contac	et Info #	# or Persons	Reporting info/Notes/Remarks		
						+	_		
7. Assignme	nts						_		
Boom nort	h entrance to H	larrisburg B	end.						
				ould exped	ct wake ac	tion as vesse	els pass. Debris is a common		
	e. In security z			·			·		
8. Site #	9. Quad Name		10. NOAA Cha	art #	11. TGLO A	tlas Page#	12. County		
29 B	Park Place						Harris		
13. Site Info	rmation						14. Latitude		
Northwest	entrance into H	Harrisburg B	end. Harris	burg Bend	extends a	round Brady	29-43-35N		
Island, on	the Houston Sh	nip Channel.	It is adjace	ent to Soutl	hwest Ship	yard Brady	15. Longitude		
Island faci							95-16-36W		
16. Closest Boat Ramp 17. Distance From Ramp						18. Boat Type			
NA			NA			Shallow/Alu	uminum Hull		
19. Direction	s From MSO Hou	ston-Galvesto	on				20. Closest Airport		
							Houston Hobby (HOU)		
No rompo	in area. Minute	a by boot fr	m MSO Ha	uston Calı	rooton		21. Closest Helispot MSO Houston-Galveston		
	Contact Numbers	S by boat no	23. Resource		/651011.		24. Width of Inlet		
USCG	713-671-5100	,	Atlas Priority:	s at itisk			250'		
TGLO	281-470-6597		N/A				25. Water depth		
TCEQ	512-463-7727		Environmental	•			23'		
RCC	713-869-5001		N/A	-			26. Current Slow		
TPWD	281-534-0130		Economic:				27. # of Personnel		
USFWS	281-286-8282		N/A				2-4		
	Strategy Recome		14/74				,		
zo. Booming	otrategy recomm	cildation							
Boom clos	e to spill site to	prevent mi	gration.						
							Hart		
29. Prepared B	y:		30.Reveiwed by	(PSC):		31. Reveiwed by	y (OSC):		

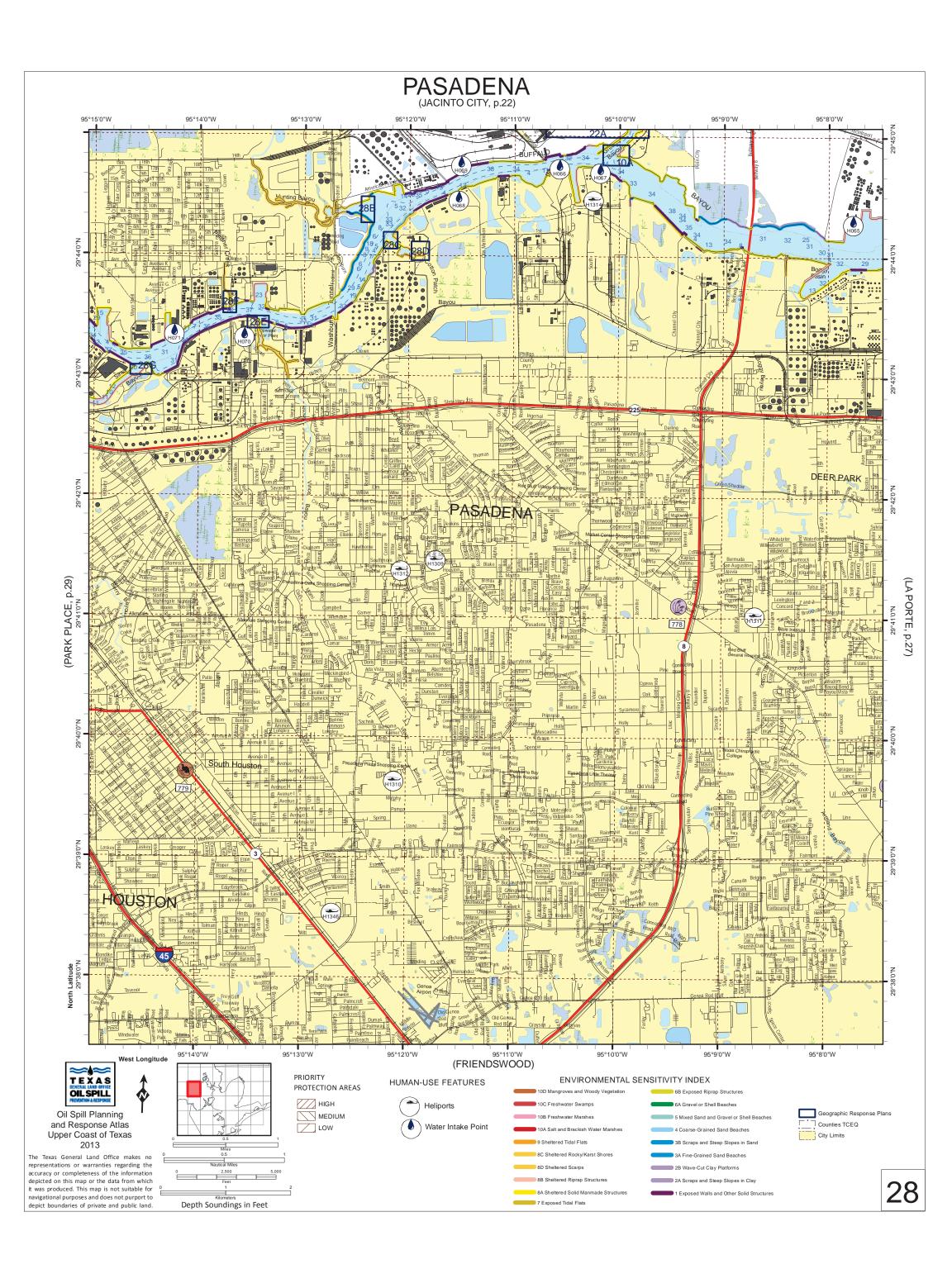
Assignment List

Updated: 11 April 2006

1. Incident N	ame		2. Operational Period (Date/Time)				Assignment List ICS 204-OS		
3. Branch				4. Division/G	iroup		.00 20: 00		
5. Operation Operation	s Personnel as Section Chief Branch Director	Name		Affiliation			Contact #(s)		
Division/G	roup Supervisor								
6. Resources	s Assigned This F	Period			"X" indi		achment with special instructions		
Resou	rce Identifier	Lea	ader	Contac	et Info #	# or Persons	Reporting info/Notes/Remarks		
7. Assignme	nts								
D	t- D I	D							
	ance to Brays I	Bayou.							
Safety Note:	common occu	rronco In	cocurity zon	.0					
8. Site #	9. Quad Name	inence. in	10. NOAA Ch		11. TGLO At	lac Bago #	12. County		
29 C	Park Place		11325	iait#	III. IGLO ALI		Harris		
13. Site Info			11020			20	14. Latitude		
	o Brays Bayou.	. Bravs Bav	ou extends	from the H	ouston Ship	Channel	29-43-37N		
	for several mile						15. Longitude		
	f the bayou has				,		95-16-38W		
				From Ramp		18. Boat Type	е		
NA			NA			Shallow/Aluminum Hull			
19. Direction	s From MSO Hou	ston-Galvest	on				20. Closest Airport		
							Houston Hobby (HOU)		
	·			0			21. Closest Helispot		
	in area. Minute		OM IVISO H		eston.		MSO Houston-Galveston		
USCG	Contact Numbers 713-671-5100		Atlas Priority:	es at RISK			24. Width of Inlet		
TGLO	281-470-6597		N/A				150' 25. Water depth		
TCEQ	512-463-7727		Environmenta	l:			22'		
RCC	713-869-5001		N/A	••			26. Current Slow		
TPWD	281-534-0130		Economic:				27. # of Personnel		
USFWS	281-286-8282)	N/A				2-4		
28. Booming	Strategy Recome	endation							
Boom clos	e to spill site to	prevent m	gration.						
		MRED							
		+							
29. Prepared B	W.		30.Reveiwed by	(PSC):		31. Reveiwed by	V (OSC)		

Assignment List

Updated: 11 April 2006



PASADENA

Map #28

				17 G
			HUMAN USE RESOURCES	
Heliport	S			
RARNUM	MANAGER		PHONE	
H1309	LT P.D. Cobb		(713) 477-1221	
H1310	J. A. Stallings		(713) 944-5347	
H1311	John Pittman		(713) 479-3435	
H1312	Dennis Knox		(713) 477-0411	
H1313	Administrator		(713) 944-6666	
H1314	Duard Franklin		(713) 740-1121	
H1346	R.L. Moore Division Manager		(713) 623-7119	
Water In	take Points			
RARNUM	OWNER	TYPE		
H065	Oiltanking of Texas Inc.	6		
H066	Phillips 66 Corporation	6		
H067	Ethyl Corporation	6		
H068	Mobil Oil Corporation	6		
H069	Armco Inc.	6		
H070	Houston L&P-Deepwater	6		
H071	Paktank Corporation -Galena Park Term.	1		

		BIOLOGICAL RESOURCES	
Reptiles	s/Amphibians		
RARNUM	NAME	S/F T/E	
779	Crawfish frog	NA N	
Plants/	Communities		
RARNUM	NAME	S/F T/E	
778	Houston machaeranthera	F C2	

1. Incident	Name	2. Operation	al Period (Da	te/Time)	Assignment List ICS 204-OS			
3. Branch		•	4. Division/0	Group				
I -	ns Personnel Name ons Section Chief Branch Director)	1	Affiliation		Contact #(s)		
Division/	Group Supervisor							
6. Resource	es Assigned This Period			"X" indi	cates 204a atta	achment with special instructions		
Reso	urce Identifier	Leader Contact			# or Persons	Reporting info/Notes/Remarks 🔻		
7. Assignm	ents							
Boom ent	trance to Green's Bayou	l.						
Safety Note Crews op zone.	e: erating along the shore	ine of the ship	channel sh	ould expect	wake actior	n as vessels pass. In security		
8. Site #	9. Quad Name	10. NOAA C	nart #	11. TGLO Atl	as Page #	12. County		
28 A	Pasadena	11325	iait#	III. IGLO ALI	-	Harris		
13. Site Info		11020				14. Latitude		
	to Green's Bayou. Gre	en's Bavou ext	ends from t	he Houston	Ship	29-44-51N		
	northward into Jacinto C	•			•	15. Longitude		
	a common occurrence	•		•		95-10-05W		
	Boat Rampno public ram				18. Boat Type			
	mps at facilities	N/A	,			uminum Hull		
19. Directio	ons From MSO Houston-Gal	veston			•	20. Closest Airport		
						William P. Hobby (HOU)		
						21. Closest Helispot		
No ramps	s available. Minutes by b	oat from MSO	Houston-G	alveston.		Ethyl Corp. (H1314)		
22. Trustee	/Contact Numbers	23. Resource	es at Risk			24. Width of Inlet		
USCG	713-671-5100	Atlas Priority:				600'		
TGLO	281-470-6597	N/A				25. Water depth		
TCEQ	512-463-7727	Environmenta	al:			32'		
RCC	713-869-5001	N/A				26. Current Slow		
TPWD	281-534-0130	Economic:				27. # of Personnel		
USFWS	281-286-8282	N/A				4-6		
28. Boomin	g Strategy Recomendation							
Boom clo	se to spill site to preven	t migration.						
						HARRIS		

 29. Prepared By:
 30.Reveiwed by (PSC):
 31. Reveiwed by (OSC):

 Assignment List
 ICS 204 OS (Geographic Response Plan)
 Updated: 21 July 2009

1. Incident Na	ame		2. Operational Period (Date/Time)		Assignment List ICS 204-OS
3. Branch			4. Divisio	n/Group		
	s Section Chief Branch Director	Name		Affiliation		Contact #(s)
Division/G	roup Supervisor					
	Assigned This Perio				# or Persons	chment with special instructions
Resour	ce Identifier	Lea	Leader Contact Info #			Reporting info/Notes/Remarks
7. Assignmer	nts		1			
Boom entra	ance to Vince Bay	/o <u>u.</u>				
security zo		g along th	ne shoreline of the s	hip channel s	hould expect	wake action as vessels pass. In
8. Site # 28 E	9. Quad Name Pasadena		10. NOAA Chart # 11325			12. County Harris
13. Site Infor	mation	ince Bay	ou is a narrow, shall	low and seldo		14. Latitude 29-43-28N
bayou exte	ending from the Ho	ouston S	hip Channel southw nchored into mud/gra	ard into Houst		15. Longitude 95-13-26W
16. Closest B	Boat Ramp no publicate ramps at facilities	С	17. Distance From Rar N/A		18. Boat Type Shallow/Alu	
	s From MSO Housto		on		•	20. Closest Airport William P. Hobby (HOU)
No ramps a	available. Minutes	by boat	from MSO Houston	-Galveston.		21. Closest Helispot Ethyl Corp. (H1314)
22. Trustee/C	Contact Numbers		23. Resources at Risk			24. Width of Inlet
USCG	713-671-5100		Atlas Priority:			200'
	281-470-6597	ļ	N/A			25. Water depth
TCEQ	512-463-7727	İ	Environmental:			12'
RCC	713-869-5001	ļ	N/A			26. Current Slow
TPWD	281-534-0130		Economic:			27. # of Personnel
USFWS	281-286-8282		N/A			2-4
28. Booming	Strategy Recomend	ation				
300' of prot	tective boom at a	45 degre	ee angle below the s	ite is recomm	ended.	
			AND THE PROPERTY OF THE PROPER		A. C.	TO LET

29. Prepared By: 30.Reveiwed by (PSC): 31. Reveiwed by (OSC):

Assignment List ICS 204 OS (Geographic Response Plan) Updated: 21 July 2009

1. Incident Name 2. Op			2. Operation	al Period (Dat	e/Time)	Assignment List ICS 204-OS	
3. Branch				4. Division/Group			
-	5. Operations Personnel Operations Section Chief Branch Director			Affiliation			Contact #(s)
Division/0	Group Supervisor						
6. Resource	s Assigned This F	Period			"X" indic		achment with special instructions
Resou	irce Identifier	Lea	ader	Contac	et Info #	# or Persons	Reporting info/Notes/Remarks
	rance to Cotton			of the ship	channal sho	uld expect	wake action as vessels pass. In
security zo	•	ing along th		or the ship		ulu expect	wake action as vessels pass. In
8. Site #	9. Quad Name		10. NOAA CI	hart #	11. TGLO Atl	as Page #	12. County
28 C	Pasadena		11325				Harris
13. Site Info					!		14. Latitude
 	to Cotton Datah	Davieu Ca	tton Dotob	Davisio a	برويره طال مصرو		29-44-09N
	to Cotton Patch organ Pasadena						15. Longitude 95-12-12W
	Boat Rampno pu	blic ramps,		From Ramp		18. Boat Type	
private ramps at facilities N/A						Shallow/Al	uminum Hull
19. Directions From MSO Houston-Galveston							20. Closest Airport William P. Hobby (HOU)
No rampe	available Minu	itas by baat	from MSO	Houston-Galveston.			21. Closest Helispot Ethyl Corp. (H1314)
	Contact Numbers		23. Resource		aivesion.		24. Width of Inlet
USCG	713-671-5100		Atlas Priority:				330'
TGLO	281-470-6597		N/A				25. Water depth
TCEQ	512-463-7727		Environmenta	al:			17'
RCC	713-869-5001		N/A				26. Current Slow
TPWD	281-534-0130)	Economic:				27. # of Personnel
USFWS	281-286-8282	2	N/A				2-4
28. Boomin	g Strategy Recom	endation					
Boom clos	se to spill site to	prevent m	gration.				
Dediti die							
20 Propared I			30 Povojwod b	·· (DCC)·		21 Povojwod b	11 (1) 2000 Team Grandel Lind (See, 1981)

Updated: 21 July 2009

Assignment List

1. Incident Name 2. Operat				al Period (Dat	e/Time)	Assignment List ICS 204-OS		
3. Branch			4. Division/Group					
5. Operations Personnel Name Operations Section Chief Branch Director				Affiliation			Contact #(s)	
Division/0	Group Supervisor							
6. Resource	s Assigned This P	eriod			"X" indi	cates 204a atta	achment with special instructions	
Resou	rce Identifier	Lea	ader	Contac	ct Info #	# or Persons	Reporting info/Notes/Remarks	
							느	
7. Assignme	ents			1		1	_	
Boom to p	rotect marsh re	storation in	side Cotton	Patch Bay	ou.			
Safety Note								
In security	zone.							
8. Site #	9. Quad Name		10. NOAA CI	nart #	11. TGLO Atl		12. County	
28 D	Pasadena		11325	28			Harris	
13. Site Info							14. Latitude	
	toration inside C		•		•		29-44-02N	
	a private bridge				is could be i	ooomea to	15. Longitude	
	marsh. East of Boat Rampno pub					40 D T	95-11-58W	
	nps at facilities	N/A	From Kamp		18. Boat Type	e uminum Hull		
	ns From MSO Hou				Onanow// u	20. Closest Airport		
							William P. Hobby (HOU)	
							21. Closest Helispot	
No ramps	available. Minu	tes by boat	from MSO	Houston-G	alveston.		Ethyl Corp. (H1314)	
22. Trustee/	Contact Numbers		23. Resource	es at Risk			24. Width of Inlet	
USCG	713-671-5100		Atlas Priority:				20'	
TGLO	281-470-6597		N/A				25. Water depth	
TCEQ	512-463-7727		Environmenta	al:			0'	
RCC	713-869-5001		N/A				26. Current N/A 27. # of Personnel	
TPWD USFWS	281-534-0130 281-286-8282		Economic: N/A				2.4	
	Strategy Recome		IN/A				2-4	
Zo. Booming	J Strategy Recome	endation						
Boom acre	oss drain pipes	to prevent i	migration in	to the mars	h.			
Boom act	oss drain pipes	lo provent		to the mais				
29. Prepared By: 30.Re			30.Reveiwed by (PSC): 31. Reveiwe			31. Reveiwed b	iwed by (OSC):	

Assignment List

Updated: 21 July 2009

1. Incident Na	ame		2. Operational Period (Date/Time)	Assignment List ICS 204-OS	
3. Branch			4. Divisio	n/Group		
5. Operations Personnel Operations Section Chief Branch Director				Affiliation		Contact #(s)
Division/G	roup Supervisor					
	Assigned This Perio				chment with special instructions	
Resource Identifier L		Lea	ader Cor	ntact Info #	# or Persons	Reporting info/Notes/Remarks
7. Assignmer	nts		1			
Boom entra	ance to Vince Bay	/ou				
security zo		g along th	ne shoreline of the s	hip channel s	hould expect	wake action as vessels pass. In
8. Site # 28 E	9. Quad Name Pasadena		10. NOAA Chart # 11325	11. TGLO At		12. County Harris
13. Site Infor	mation	ince Bay	ou is a narrow, shall	low and seldo		14. Latitude 29-43-28N
bayou exte	ending from the Ho	ouston S	hip Channel southw nchored into mud/gra	ard into Houst		15. Longitude 95-13-26W
16. Closest B	Boat Ramp no publicate ramps at facilities	С	17. Distance From Rar N/A		18. Boat Type Shallow/Ale	
	s From MSO Housto		on		•	20. Closest Airport William P. Hobby (HOU)
No ramps a	available. Minutes	by boat	from MSO Houston	-Galveston.		21. Closest Helispot Ethyl Corp. (H1314)
22. Trustee/C	Contact Numbers		23. Resources at Risk		24. Width of Inlet	
USCG	713-671-5100		Atlas Priority:		200'	
	281-470-6597	ļ	N/A			25. Water depth
TCEQ	512-463-7727	İ	Environmental:			12'
RCC	713-869-5001	ļ	N/A			26. Current Slow
TPWD	281-534-0130		Economic:			27. # of Personnel
USFWS	281-286-8282		N/A			2-4
28. Booming	Strategy Recomend	ation				
300' of pro	tective boom at a	45 degre	ee angle below the s	ite is recomm	ended.	
			AND THE PROPERTY OF THE PROPER			TO LET

29. Prepared By: 30.Reveiwed by (PSC): 31. Reveiwed by (OSC):

Assignment List ICS 204 OS (Geographic Response Plan) Updated: 21 July 2009

3. Branch Affiliation Contact #(s) Operations Personnel Operations Section Chief Branch Director Division/Group Supervisor 6. Resources Assigned This Period Resource Identifier Leader Contact Info # # or Persons Reporting info/Notes/Rer Contact Info # # or Persons Reporting info/Notes/Rer 7. Assignments Boom entrance to Panther Creek. Safety Note: Crews operating along the shoreline of the ship channel should expect wake action as vessels pasecurity zone.	marks \ \frac{1}{2} \]	
Operations Section Chief Branch Director Division/Group Supervisor 6. Resources Assigned This Period Resource Identifier Leader Contact Info # # or Persons Reporting info/Notes/Rer 7. Assignments Boom entrance to Panther Creek. Safety Note: Crews operating along the shoreline of the ship channel should expect wake action as vessels page.	marks \ \frac{1}{2} \]	
Resource Identifier Leader Contact Info # # or Persons Reporting info/Notes/Rer Contact Info # # or Persons Reporting info/Notes/Rer Resource Identifier Resource Identifier Resource Identifier Leader Contact Info # # or Persons Reporting info/Notes/Rer	marks \ \frac{1}{2} \]	
Resource Identifier Leader Contact Info # # or Persons Reporting info/Notes/Ren Reporting inf	marks \ \frac{1}{2} \]	
7. Assignments Boom entrance to Panther Creek. Safety Note: Crews operating along the shoreline of the ship channel should expect wake action as vessels pa		
Boom entrance to Panther Creek. Safety Note: Crews operating along the shoreline of the ship channel should expect wake action as vessels pa	ass. In	
Boom entrance to Panther Creek. Safety Note: Crews operating along the shoreline of the ship channel should expect wake action as vessels pa	ass. In	
Boom entrance to Panther Creek. Safety Note: Crews operating along the shoreline of the ship channel should expect wake action as vessels pa	ass. In	
Boom entrance to Panther Creek. Safety Note: Crews operating along the shoreline of the ship channel should expect wake action as vessels pa	ass. In	
Boom entrance to Panther Creek. Safety Note: Crews operating along the shoreline of the ship channel should expect wake action as vessels pa	ass. In	
Boom entrance to Panther Creek. Safety Note: Crews operating along the shoreline of the ship channel should expect wake action as vessels pa	ass. In	
Boom entrance to Panther Creek. Safety Note: Crews operating along the shoreline of the ship channel should expect wake action as vessels pa	ass. In	
8. Site # 9. Quad Name 10. NOAA Chart # 11. TGLO Atlas Page # 12. County	12. County	
28 F Pasadena 11325 28 Harris		
13. Site Information 14. Latitude		
Entrance to Panther Creek. Panther Creek starts at the Houston Ship Channel 29-43-35N		
and proceeds into downtown Galena Park. Located on west side of Kinder 15. Longitude		
Morgan Galena Park facility. 95-13-43W		
16. Closest Boat Rampno public ramps, 17. Distance From Ramp 18. Boat Type		
private ramps at facilities N/A Shallow/Aluminum Hull		
19. Directions From MSO Houston-Galveston 20. Closest Airport William P. Hobby (HOU)		
21. Closest Helispot		
No ramps available. Minutes by boat from MSO Houston-Galveston. Ethyl Corp. (H1314)		
22. Trustee/Contact Numbers 23. Resources at Risk 24. Width of Inlet		
USCG 713-671-5100 Atlas Priority: 50'		
TGLO 281-470-6597 N/A 25. Water depth		
TCEQ 512-463-7727 Environmental: 3'		
RCC 713-869-5001 N/A 26. Current slow		
TPWD 281-534-0130		
USFWS 281-286-8282		
28. Booming Strategy Recomendation		
Boom across entrance to prevent migration inland.	0.40	

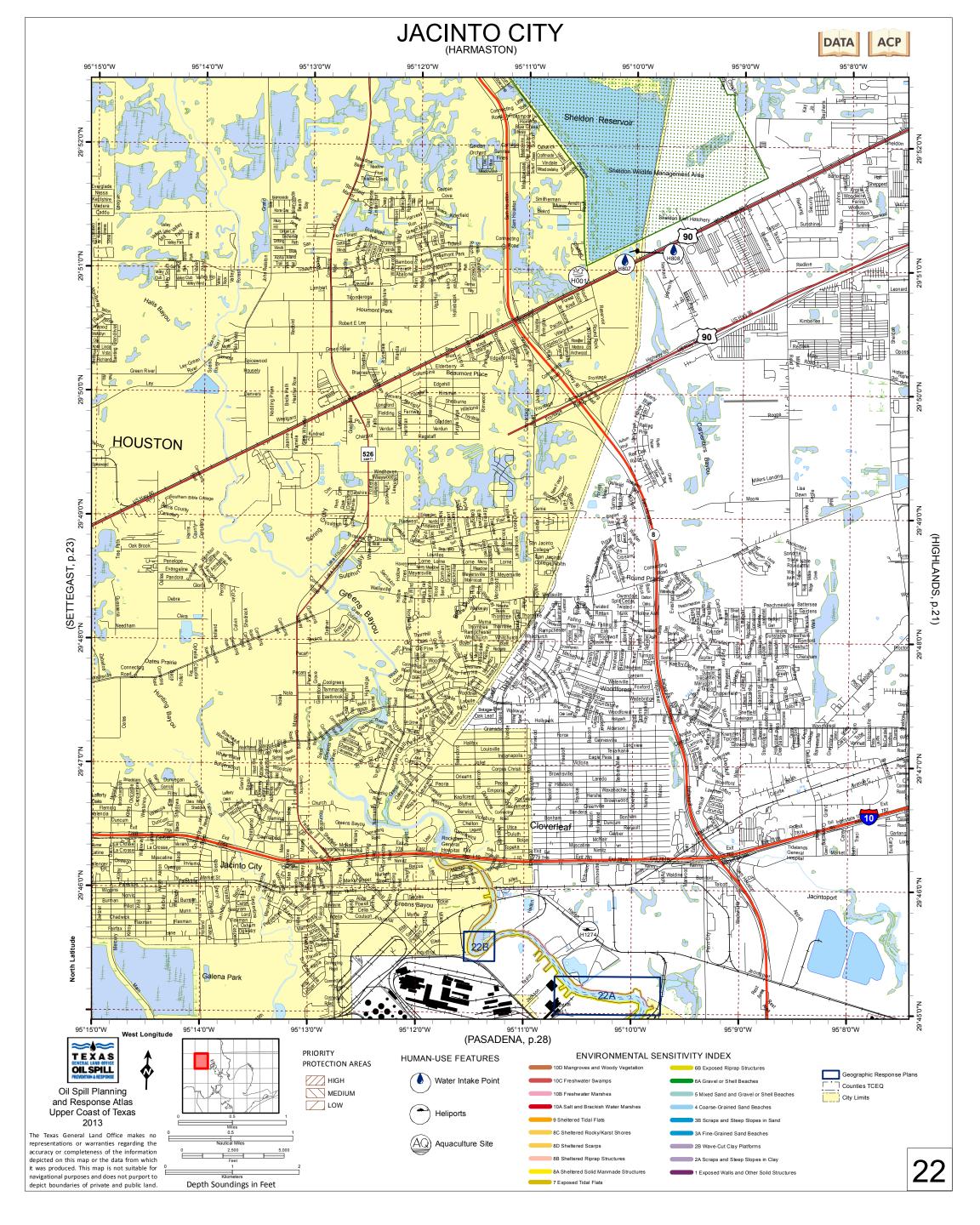
29. Prepared By: 30.Reveiwed by (PSC): 31. Reveiwed by (OSC):

Assignment List ICS 204 OS (Geographic Response Plan) Updated: 21 July 2009

1. Incident Name			2. Operationa	al Period (Dat	e/Time)	Assignment List ICS 204-OS	
3. Branch			!	4. Division/G	roup		.00 20 . 00
5. Operations Personnel Name Operations Section Chief Branch Director			Affiliation				Contact #(s)
Division/G	Group Supervisor						
6. Resources	s Assigned This P	eriod			"X" indi	cates 204a atta	achment with special instructions
Resou	rce Identifier	Lea	ader	Contac	ct Info #	# or Persons	Reporting info/Notes/Remarks
7. Assignme	nts ance to Sims B	avou					
Safety Note:		•	na shoralina (of the chin of	nannal shou	ld avnect wak	e action as vessels pass. Debris is a
common oc	currence. Watc						
8. Site # 28 G	9. Quad Name Pasadena		10. NOAA C h 11325	art #	11. TGLO At	•	12. County Harris
13. Site Info	rmation Entranc	e to Sims E	Bayou. It ca	n be reache	ed in 5-10 n	ninutes by	14. Latitude
			•	extends several miles into			29-43-04N
	•			t the entrance there are piers on			15. Longitude
	that boom cou				minal to we	st.	95-14-36W
	Boat Rampno pul		From Ramp		18. Boat Type		
•	nps at facilities		N/A			Shallow/Ali	uminum Hull
19. Directions From MSO Houston-Galveston							20. Closest Airport William P. Hobby (HOU)
No ramps	available. Minu	tes by boat	from MSO	Houston-Ga	alveston.		21. Closest Helispot Ethyl Corp. (H1314)
22. Trustee/Contact Numbers			23. Resources at Risk				24. Width of Inlet
USCG	713-671-5100		Atlas Priority:				475'
TGLO	281-470-6597		N/A				25. Water depth
TCEQ	512-463-7727		Environmenta	l:			36'
RCC	713-869-5001		N/A				26. Current Slow
TPWD	281-534-0130		Economic:				27. # of Personnel
USFWS	281-286-8282		N/A				2-4
	Strategy Recome		igration				
23111 0100	- 1.5 Sp 5110 10						
20 Proposed S			20 Pavaiusal III	(IBSC):		31 Payahad	THE PARTY OF THE P
29. Prepared B	y:		30.Reveiwed by	/ (PSC):		31. Reveiwed by	y (USC):

Updated: 21 July 2009

Assignment List



JACINTO CITY

Map #22

	HUMAN USE RESOURCES										
Aquacul	ture Sites										
RARNUM	NAME	ADDRESS	PHONE								
H001	Halbert Fish Farm	9025 Pineland Channelview 77530	(713) 458-8705								
Heliport	S										
RARNUM	MANAGER		PHONE								
H1274	John D. McHazlett		(713) 455-1311								
Water Ir	ntake Points										
RARNUM	OWNER	TYPE									
H807	Texas Parks & Wildlife Dept.	6									
H808	Texas Parks & Wildlife Dent	6									

1. Incident Name 2			2. Operation	al Period (Dat	e/Time)	Assignment List ICS 204-OS		
3. Branch			4. Division/Group					
	ns Personnel ons Section Chief Branch Director	Name			Affiliation		Contact #(s)	
	Group Supervisor							
	es Assigned This P			1 .			achment with special instructions	
Resou	urce Identifier	Lea	ader	Contac	et Info #	# or Persons	Reporting info/Notes/Remarks	
7. Assignm	ents							
D O	a anda Davievo ala a		4- 4					
Safety Note	een's Bayou clos	se to spili si	te to prever	it migration.				
	e: avy rainfall current	s can hecon	ne dangerou	s Watch ou	t for transie	nts know to fre	equent area	
8. Site #	9. Quad Name	3 Carr Decor	10. NOAA Ch			tlas Page #	12. County	
22 A	Jacinto City		N/A	III. IOLO Alias i age			2 Harris	
13. Site Info	-		•		•		14. Latitude	
	een's Bayou. Gi						29-46-16N	
	several miles in	to Northeas	st Houston.	It is fairly d	leep, but n	arrow with	15. Longitude	
mud/gras		1.	1				95-12-17W	
	Boat Rampno pub	17. Distance N/A	From Ramp		18. Boat Type			
	mps at facilities	ston-Galvest					uminum Hull	
13. Directio	ns i rom moo nou	011				20. Closest Airport William P. Hobby (HOU)		
<u>.</u> .			, ,,,,,,				21. Closest Helispot	
	available. Minu	tes by boat	23. Resource		aiveston.		Mr. McHazlett (H1274) 24. Width of Inlet	
USCG	Contact Numbers 713-671-5100		Atlas Priority:	es al Risk			200'	
TGLO	281-470-6597		N/A			25. Water depth		
TCEQ	512-463-7727		Environmenta	ıl:			20'	
RCC	713-869-5001		N/A				26. Current Moderate	
TPWD	281-534-0130		Economic:				27. # of Personnel	
USFWS	281-286-8282		N/A				2-4	
28. Boomin	g Strategy Recome	endation						
Boom clo	se to spill site to	nrevent mi	aration					
DOUTH CIO	se to spili site to	prevent in	gration.					
							CO part Lana Kansar Land Sing, Lin	
29 Prepared	By:		30 Reveiwed by	(PSC):		31 Reveiwed by	v (OSC):	

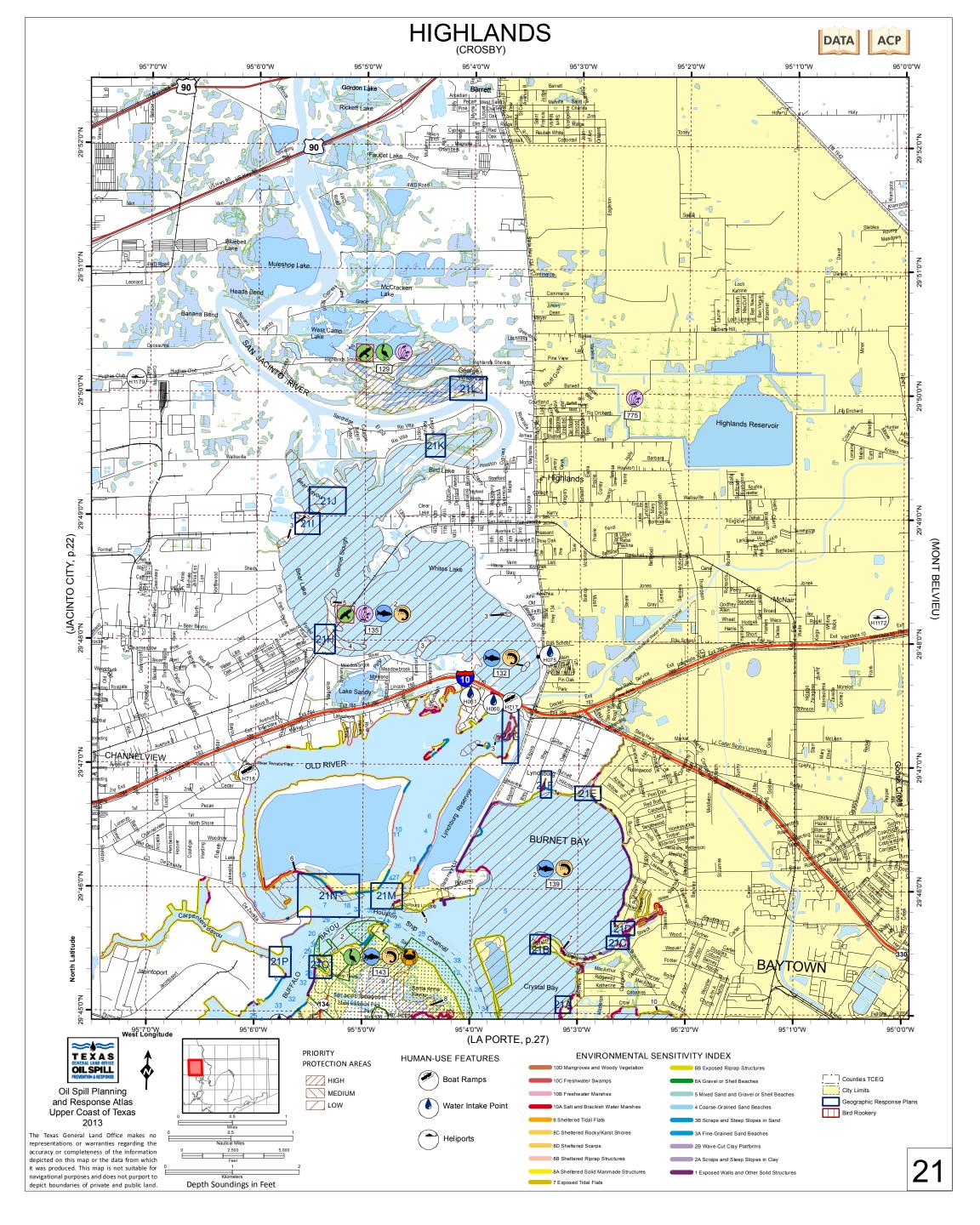
Updated: 21 July 2009

Assignment List

1. Incident Name 2			2. Operation	al Period (Dat	e/Time)	Assignment List ICS 204-OS		
3. Branch				4. Division/Group				
5. Operations Personnel Name Operations Section Chief Branch Director				Affiliation			Contact #(s)	
Division/C	Group Supervisor							
6. Resource	s Assigned This F	eriod			"X" ind	licates 204a atta	achment with special instructions	
Resou	rce Identifier	Lea	ader	Contac	et Info #	# or Persons	Reporting info/Notes/Remarks	
							느	
7. Assignme			f nallna a d an					
Safety Note	sh area east ba	ank south o	raiiroad cr	ossing.				
•	: vy rainfall curren	ts can becon	ne dangerou	s Watch ou	t for transier	nts know to fre	equent area	
8. Site #	9. Quad Name	10 0411 00001	10. NOAA CI		11. TGLO A		12. County	
22 B	Jacinto City		N/A	11. 1020 F			Harris	
13. Site Info	•		•		•		14. Latitude 29-45-33N	
	Breen's Bayou. narsh area insi				en's Bayou	is a	15. Longitude 95-11-19W	
	Boat Rampno pu	T			18. Boat Type			
	nps at facilities	ono rampo,	N/A	: I Tolli Kallip			uminum Hull	
•	ns From MSO Hou	ston-Galvest	on			•	20. Closest Airport William P. Hobby (HOU)	
							21. Closest Helispot	
No ramps	available. Minu	ites by boat	from MSO	Houston-Ga	alveston.		Mr. McHazlett (H1274)	
	Contact Numbers		23. Resourc			24. Width of Inlet		
USCG	713-671-5100		Atlas Priority:			200'		
TGLO TCEQ	281-470-6597 512-463-7727		N/A Environmenta	al.			25. Water depth 20'	
RCC	713-869-5001		N/A	dI.			26. Current Moderate	
TPWD	281-534-0130		Economic:			27. # of Personnel		
USFWS	281-286-8282		N/A			2-4		
	Strategy Recom						<u> -</u>	
Boom with	2000' of boom	to protect :	sensitive ma	arsh.				
29. Prepared E	SV:		30.Reveiwed b	v (PSC):		31. Reveiwed b	v (OSC):	

Updated: 21 July 2009

Assignment List



HIGHLANDS Map #21

			111ap // — 1
		HUMAN USE RESOURCES	<u> </u>
Boat Ram	ps		
RARNUM	NAME		
H717	Public boat launch		
H718	River Terrace Park		
Heliports			
•			
RARNUM	MANAGER	PHONE	
H1172	John Pittman	(713) 479-3435	
H1179	George Arnold	(713) 452-8888	
H1180	George L. Clogston	(713) 673-7821	
Water Int	ake Points		
RARNUM	OWNER	ГҮРЕ	
H060	Southwestern Barge Fleet Service	1	
H061	Coopers Marine Service Inc.	1	
H075	Western Towing Co.	1	
•	·		

				BIOLOG	SICA	L F	RES	SOU	JRC	ES								
Birds																		
RARNUM	NAME	S/F		CONCEN											NESTING	LAYING	HATCHING	FLEDGING
129	Osprey	S	SC			(X										-	-	-
	Wading birds					(X										-	-	-
135	Osprey	S	SC			(X										-	-	-
143	Wading birds				X)	(X	Х	Х	X X	X	Х	X	Х	Х	APR-AUG	APR-AUG	APR-AUG	MAY-SEP
Fish																		
RARNUM	NAME	S/F	T/E	CONCEN	JE	М	Α	М	J.	JΑ	S	0	N	D	SPAWNING	LARVAL/JUV		
132	Gulf menhaden				χ)	(X	Χ	Х	X X	ΧХ	Х	X	Х	Χ	NOV-FEB	DEC-MAR		
	Atlantic croaker				X)	(X	Χ	Χ	X X	ΧХ	Х	X	Χ	Χ	-	APR-OCT		
	Gulf killifish				χ)	(X	Χ	Χ	X X	ΧХ	Χ	Χ	Χ	Χ	MAR-SEP	APR-SEP		
	Sheepshead minnow				X)	(X	Χ	Χ	X	ΧХ	Χ	Χ	Х	Χ	MAR-OCT	MAR-DEC		
135	Atlantic croaker				X)	(X	Χ	Χ	X	ΧХ	Χ	X	Х	Χ	-	APR-OCT		
139	Gulf menhaden				X)	(X	Χ	Χ	X	ΧХ	Χ	X	Х	Χ	NOV-FEB	DEC-MAR		
	Sand seatrout				XX	(X	Χ	Χ	X	ΧХ	Х	X	Х	Χ	-	MAR-DEC		
	Atlantic croaker				XX	(X	Χ	Х	X	ΧХ	Χ	X	Χ	Χ	-	APR-OCT		
	Spotted seatrout				XX	(X	Χ	Χ	X	ΧХ	Х	X	Х	Χ	JAN-DEC	JAN-DEC		
143	Spotted seatrout				X X	(X	Χ	Χ	X	ХХ	Х	X	Χ	Χ	JAN-DEC	JAN-DEC		
Shellfish																		
RARNUM	NAME	S/F	T/E	CONCEN	JF	М	Α	М	J.	JA	S	0	N	D	SPAWNING	LARVAL/JUV		
132	White shrimp														MAY-OCT	MAY-OCT		
	Brown shrimp				X)	(X	Χ	Χ	X X	ΧХ	Х	X	Χ	Χ	NOV-MAR	FEB-JUN		
135	Grass shrimp				X)	(X	Χ	Χ	X	ΧХ	Х	X	Х	Χ	-	-		
139	White shrimp			HIGH	X)	(X	Χ	Χ	X	ΧХ	Х	X	Х	Χ	MAY-OCT	MAY-OCT		
143	Blue crab .				X)	(X	Χ	Χ	X	ΧХ	Х	X	Х	Χ	APR-JUL	MAY-AUG		
	Grass shrimp				X X	(X	Χ	Χ	X	ХХ	Х	X	Χ	Χ	-	-		
Plants/Co	mmunities																	
RARNUM	NAME	S/F	T/F															
129	Arrowhead																	
135	Smooth cordgrass																	
775	Threeflower broomweed																	

HIGHLANDS Map # 21

Polygon #	Priority	Description: what organism(s), habitat(s)?								
Pinchpoint at m	Pinchpoint at mouth of George White Lake can be boomed to protect polygon 1 from spills in San Jacinto River.									
1	Medium	George White Lake. Wetlands (medium), bird habitat (medium).								
2	Low	(a) Grennel Slough - Bear Lake - Gilbert Landing area, (b) Burnet Bay, (c) mouth of Buffalo Bayou. Nursery (high).								
3	Medium	Fringe marshes along San Jacinto River (a - i). Nursery (high), wetlands (medium).								
4	Medium	San Jacinto River island southeast of Bear Lake. Nursery (high), bird habitat (medium).								
5	High	San Jacinto River island south of Grennel Slough. Wetlands (high), nursery (high), bird habitat (medium).								
6	Medium	South shore of Old River meander island. Wetlands (high), nursery (medium), bird habitat (medium).								
7	Medium	Fringe marsh along south shore of Burnet Bay. Wetlands (high), nursery (high).								
Pinchpoint at m	outh of Santa A	Anna Bayou (on La Porte quad) can be boomed to protect polygons 8 and 9 from spills in San Jacinto River.								
8	High	West shore of Santa Anna Bayou. Wetlands (high), nursery (high). San Jacinto State Park. Continued on La Porte quad.								
9	High	Northern Santa Anna Bayou. Nursery (high).								
10	Low	(a & b) Northern Scott Bay. Nursery (high). Continued on La Porte quad.								

1. Incident I	Name		2. Operationa	I Period (Da	te/Time)		Assignment List ICS 204-OS		
3. Branch				4. Division/0	Group		, , , , , , , , , , , , , , , , , , , ,		
	ns Personnel ons Section Chief Branch Director	Name			Affiliation		Contact #(s)		
Division/	Group Supervisor								
6. Resource	es Assigned This F	Period			"X" indi	cates 204a atta	tachment with special instructions		
Resou	urce Identifier	Le	ader	Conta	ct Info #	# or Persons	Reporting info/Notes/Remarks 🔻		
							 		
	s leading to ma	rsh in SE C	rystal Bay.						
Safety Note	e: aches to Crystal	are through	h shallow wa	ntor					
8. Site #	9. Quad Name	are unougi	10. NOAA Ch		11. TGLO At	loc Boso #	12. County		
21 A	Highlands		11329	art#	III. IGLO At		Harris		
13. Site Info			111020		ļ		14. Latitude		
l 13. Oite iiii	ormation						29-45-08N		
This mars	sh is along the s	outheast sh	nore of Cryst	al Bay in E	Baytown, Tx.		15. Longitude 95-3-6W		
16. Closest River Teri	Boat Ramp		17. Distance 3.8 NM			18. Boat Typ	e uminum Hull		
19. Directio	ns From MSO Hou	ston-Galvest	on				20. Closest Airport Baytown Airport, Baytown (HPY)		
	-10E to Sheldon and look for R					t. Left on	21. Closest Helispot Baytown Airport, 29-47-09N 94-57-9W		
	Contact Numbers		23. Resource		'		24. Width of Inlet		
USCG	713-671-5100		Atlas Priority:				100'		
TGLO	281-470-6597	•	Low Priority	y			25. Water depth		
TCEQ	512-463-7727	•	Environmenta				shallow		
RCC	713-869-5001		Medium Pr	iority			26. Current N/A		
TPWD	281-534-0130		Economic:				27. # of Personnel		
USFWS 28. Boomin	281-286-8282 g Strategy Recom		N/A				2-4		
	boom canals to		l from enteri	ng marsh :	areas				
LAGIUSIOII	Soom oanais to	, provent of	. irom onten	ng maron (۵.۰۵۵.				
29. Prepared	Bv [.]		30.Reveiwed by	(PSC)		31. Reveiwed b	pr (4) 2009 Years discount Level diffice, (1988		

Updated: 15 June 2009

1. Incident	Name		2. Operation	al Period (Dat	e/Time)		Assignment List ICS 204-OS		
3. Branch				4. Division/G	Group		100 201 00		
_	ns Personnel ons Section Chief Branch Director	Name			Affiliation		Contact #(s)		
Division/	Group Supervisor								
	es Assigned This I	Period			"X" indi		achment with special instructions		
Reso	urce Identifier	Lea	ader	Contac	ct Info #	# or Persons	Reporting info/Notes/Remarks		
						<u> </u>			
7. Assignm Boom pai Safety Note	rk area West of	Bayshore R	Road.						
		are through	T T		1		oats may be needed.		
8. Site # 21 B	9. Quad Name Highlands		10. NOAA Ch 11329	nart #	11. TGLO Atl		12. County Harris		
13. Site Inf			11329				14. Latitude		
	ay- Park west of	Bayshore I	Road This	nark is on a	an isthmus l	netween	29-45-26N		
	nd Burnet Bays.	•		•			15. Longitude		
protecting	•		90				95-3-15W		
16. Closest River Ter	Boat Ramp race Park		17. Distance 3.8 NM	From Ramp		18. Boat Typ Shallow Al	e uminum Hull		
19. Directio	ons From MSO Hou	ıston-Galvest	on				20. Closest Airport		
	-10E to Sheldor					. Left on	Baytown Airport, Baytown (HPY) 21. Closest Helispot		
Market St	t. and look for R	iver Terrace			nt.		Baytown Airport, 29-47-09N 94-57-9W		
	/Contact Numbers		23. Resource				24. Width of Inlet		
USCG	713-671-5100		Atlas Priority:				N/A		
	281-470-6597		Medium Pi	•			25. Water depth		
TCEQ RCC	512-463-7727 713-869-5001		Environmenta Medium Pi				shallow 26. Current N/A		
TPWD	281-534-0130		Economic:	ПОПц			27. # of Personnel		
USFWS	281-286-8282		N/A				2-4		
28. Boomin	ng Strategy Recom	endation		nge marsh.					
							10 101 Table 60000 List 60-0-100		
29. Prepared	Bv:		30.Reveiwed by	v (PSC):		31. Reveiwed b	ov (OSC):		

Updated: 15 June 2009

1. Incident N	lame		2. Operation	al Period (Dat	e/Time)		Assignment List ICS 204-OS		
3. Branch				4. Division/G	roup		100 201 00		
Operatio	ns Personnel ns Section Chief Branch Director	Name			Affiliation		Contact #(s)		
	Group Supervisor								
	s Assigned This F			Canta			achment with special instructions		
Resou	ice identillei	Lea	ader	Contac	ct Info #	# or Persons	Reporting info/Notes/Remarks		
-									
Safety Note	rotect marsh at					rahara airba	ooto mou ha noodad		
8. Site #	9. Quad Name	are inrougi	1				pats may be needed.		
21 C	Highlands		10. NOAA Ch 11329	nart #	11. TGLO Atl	-	12. County Harris		
13. Site Info	•		11020		<u>ļ</u>	<u> </u>	14. Latitude		
13. Site iiiic	rmation						29-45-37N		
Burnet Ba	y- Marsh at Bro	wnwood Su	ubdivision N	ature Prese	erve. This s	ensitive	15. Longitude		
	long the south						95-2-40W		
16. Closest	_			From Ramp		18. Boat Type			
River Terr	•		3.8 NM	•			uminum Hull		
	ns From MSO Hou						20. Closest Airport Baytown Airport, Baytown (HPY)		
	10E to Sheldon		•			. Left on	21. Closest Helispot		
	and look for R				nt.		Baytown Airport, 29-47-09N 94-57-9W		
	Contact Numbers		23. Resourc	es at Risk			24. Width of Inlet		
USCG TGLO	713-671-5100 281-470-6597		Atlas Priority: Medium Pi	riority.			N/A 25. Water depth		
TCEQ	512-463-7727		Environmenta	-			N/A		
RCC	713-869-5001		Medium Pi				26. Current Slow		
TPWD	281-534-0130		Economic:	ionty			27. # of Personnel		
USFWS	281-286-8282		N/A				2-4		
28. Booming	g Strategy Recom	endation	•	nge marsh.					
29. Prepared E	By:		30.Reveiwed by	(PSC):		31. Reveiwed b	y (OSC):		

Updated: 15 June 2009

1. Incident N	Name		2. Operation	al Period (Dat	e/Time)		Assignment List ICS 204-OS		
3. Branch			1	4. Division/G	Froup		,		
Operatio	ns Personnel ns Section Chief Branch Director	Name		•	Affiliation		Contact #(s)		
	Group Supervisor								
	s Assigned This F arce Identifier		ader	Conto			achment with special instructions		
Resou	irce identiller	Le	auei	Contac	ct Info #	# or Persons	Reporting info/Notes/Remarks		
7. Assignme Boom ent Safety Note	rance to Freshv	vater Bayou	ı.						
'									
		Bay are thr			ery shallow	nearshore,	airboats may be needed.		
8. Site #	9. Quad Name		10. NOAA CI	nart #	11. TGLO Atl	-	12. County		
21 D	Highlands		11329			21	Harris		
	y- Entrance to F						14. Latitude 29-45-40N		
	corner of Burn	-		ousing in B	aytown. Alc	ong the	15. Longitude		
	fringe marshes	that need	,			l	95-2-39W		
16. Closest River Terr	•		17. Distance 3.8 NM	From Ramp		18. Boat Type	e uminum Hull		
	ns From MSO Hou	ston-Galvest				Onanow An	20. Closest Airport Baytown Airport, Baytown (HPY)		
610N to I-	10E to Sheldon	Road exit.	Right on S	heldon Rd t	o Market St	. Left on	21. Closest Helispot		
Market St	and look for R	iver Terrace	e park entra	ince on Righ	nt.		Baytown Airport, 29-47-09N 94-57-9W		
	Contact Numbers		23. Resource	es at Risk			24. Width of Inlet		
USCG	713-671-5100		Atlas Priority:				450		
TGLO	281-470-6597		Low Priorit	-			25. Water depth		
TCEQ	512-463-7727		Environmenta				4'		
RCC	713-869-5001		Medium P	riority			26. Current Slow 27. # of Personnel		
TPWD USFWS	281-534-0130 281-286-8282		Economic: N/A				2.4		
-	g Strategy Recom		IN/A				2-4		
Boom acr	oss entrance to	prevent mi	gration inla	nd.			York Highla		
29. Prepared E			30.Reveiwed b	y (PSC):		31. Reveiwed b	y (OSC):		

Updated: 15 June 2009

1. Incident I	Name		2. Operation	al Period (Dat	e/Time)		Assignment List ICS 204-OS			
3. Branch				4. Division/G	Group		.00 20 : 00			
-	ns Personnel ons Section Chief Branch Director	Name		Affiliation Contact #(s)						
Division/	Group Supervisor									
6. Resource	es Assigned This F	Period			"X" indi	achment with special instructions				
Resou	urce Identifier	Le	ader	Contac	ct Info #	# or Persons	Reporting info/Notes/Remarks 🔻			
							<u> </u>			
7. Assignmo	ents rance to Spring	Bayou.								
Safety Note) :									
All approa	schee to Rurnet	Ray are thr	ough shallo	ww.water W	erv shallow	naarehora	airboats may be needed.			
8. Site #	9. Quad Name	Day are un	10. NOAA CI		11. TGLO Atl		•			
21 E	Highlands		N/A	iart#	III. IGLO Ati		12. County Harris			
13. Site Info			1 47 1		ļ		14. Latitude			
		Spring Bavo	ou. Sprina E	Bayou is at the Northeast corner of						
	y and leads into			•			15. Longitude			
	that need proted	_	,	Ü		Ü	95-3-20W			
16. Closest River Teri	•		17. Distance 4.2 NM	From Ramp		18. Boat Typ Shallow Al	e uminum Hull			
19. Directio	ns From MSO Hou	ston-Galvest	on				20. Closest Airport			
							Baytown Airport, Baytown (HPY)			
	·10E to Sheldon		-			. Left on	21. Closest Helispot			
	. and look for R				nt.		Baytown Airport, 29-47-09N 94-57-9W			
	Contact Numbers		23. Resource				24. Width of Inlet			
USCG	713-671-5100		Atlas Priority:				400-600			
TGLO TCEQ	281-470-6597		Low Priorit	•			25. Water depth 1'			
RCC	512-463-7727 713-869-5001		Environmenta Medium P				26. Current Slow			
TPWD	281-534-0130		Economic:	ПОПц			27. # of Personnel			
USFWS	281-286-8282		N/A				2-4			
28. Boomin	g Strategy Recom	endation		I			<u>, </u>			
DOOM ACT	oss entrance to	prevent mi	grauon iniai	iu.			HARIUS TO THE WAND LOCATION AND THE PARTY OF			
29. Prepared	Bv [.]		30.Reveiwed b	v (PSC)·		31. Reveiwed b	v (OSC).			

Updated: 15 June 2009

1. Incident I	Name	2. 0	Operational Period (Date/Time)		Assignment List ICS 204-OS		
3. Branch		'	4. Divisio	n/Group		,		
	ns Personnel ons Section Chief Branch Director	Name	•	Affiliation		Contact #(s)		
Division/0	Group Supervisor							
	s Assigned This F	Period		"X" ind	achment with special instructions			
	rce Identifier	Leader	Co	ntact Info #	# or Persons			
	rance to marsh	East of Lakevi	ew Road.					
Safety Note):							
All approa	ches to Burnet	Bay are through	h shallow water.	Verv shallow	nearshore.	airboats may be needed.		
8. Site #	9. Quad Name		NOAA Chart #	11. TGLO A	•	12. County		
21 F	Highlands	N/		111102071		Harris		
13. Site Info	<u>. </u>	•				14. Latitude		
						29-45-56N		
	y- Marsh East o shore of Burne		oad. This sensitiving Bayou.	e marsh is al	ong the	15. Longitude 95-4-47W		
16. Closest			. Distance From Rar	np	18. Boat Typ	e		
River Terr	ace Park	4.2	2 NM	•		uminum Hull		
19. Direction	ns From MSO Hou	ston-Galveston				20. Closest Airport Baytown Airport, Baytown (HPY)		
			ght on Sheldon R ark entrance on R		St. Left on	21. Closest Helispot Baytown Airport, 29-47-09N 94-57-9W		
	Contact Numbers		. Resources at Risk			24. Width of Inlet		
USCG	713-671-5100	Atla	as Priority:			330-1000		
TGLO	281-470-6597		w Priority			25. Water depth		
TCEQ	512-463-7727		vironmental:			N/A		
RCC	713-869-5001		edium Priority			26. Current N/A		
TPWD	281-534-0130	Ec	onomic:			27. # of Personnel		
USFWS	281-286-8282	N/	A			2-4		
	g Strategy Recome		osed fringe mars	sh.				
		,	J • • • • • • • • • • • • • • • • • • •			name.		
29. Prepared E	By:	30.1	Reveiwed by (PSC):		31. Reveiwed b	by (OSC):		

Updated: 15 June 2009

1. Incident Name		2. Operationa	al Period (Dat	e/Time)		Assignment List ICS 204-OS		
3. Branch			4. Division/G	roup				
5. Operations Personnel Operations Section Chie Branch Direct				Affiliation		Contact #(s)		
Division/Group Superviso								
6. Resources Assigned Th				"X" indic	cates 204a atta	achment with special instructions		
Resource Identifier	Lea	ader	Contac	t Info #	# or Persons	Reporting info/Notes/Remarks		
	_							
7 Assissants								
7. Assignments								
Boom to protect marsh	area south o	f I-10 east h	ank					
Safety Note:	raica soutii o	11 10 0431 0	arik.					
Swift current has been		San Jacinto	River near	I-10.				
8. Site # 9. Quad Nam	ie	10. NOAA Ch	art #	11. TGLO Atl		12. County		
21 G Highlands		11329			21	Harris		
13. Site Information		\	Direct These			14. Latitude		
Marshes along east ba						29-47-25N		
the east bank of the Saislands that boom coul		•				15. Longitude 95-3-46.6W		
	d be anchored	i '		er marsnes	18. Boat Type			
16. Closest Boat Ramp Riverside Marina		17. Distance 1.9 NM	From Ramp		e uminum Hull			
19. Directions From MSO I	louston-Galvest				Onallow Al	20. Closest Airport		
To. Directions From Mee	loubion Guivest	OII				Baytown Airport, Baytown (HPY)		
610N to I-10E to Monn	nouth Road. N	lorth on Mor	mouth Rd.	to T in road	I. Turn left	21. Closest Helispot		
and take first right, Par						Baytown Airport, 29-47-09N 94-57-9W		
22. Trustee/Contact Numb		23. Resource				24. Width of Inlet		
USCG 713-671-5 ²	100	Atlas Priority:				2000'		
TGLO 281-470-65	597	Medium Pr	iority			25. Water depth		
TCEQ 512-463-77		Environmenta				1'		
RCC 713-869-50		Medium Pr	iority			26. Current Moderate		
TPWD 281-534-0		Economic:				27. # of Personnel		
USFWS 281-286-82		N/A				4-6		
28. Booming Strategy Rec	omendation							
Doom with 2000' of ho	om to protoct	marah						
Boom with 2000' of bo	om to protect	maisn.			12/			
					M	The state of the s		
29. Prepared By:		30.Reveiwed by	(PSC):		31. Reveiwed b	y (OSC):		

Updated: 15 June 2009

1. Incident Name	2. Operation	al Period (Da	te/Time)		Assignment List ICS 204-OS		
3. Branch		4. Division/0	Group		100 201 00		
5. Operations Personnel Operations Section Chief Branch Director	Name		Affiliation		Contact #(s)		
Division/Group Supervisor							
6. Resources Assigned This F	Period		"X" indi	cates 204a atta	achment with special instructions		
Resource Identifier	Leader	Conta	ct Info #	# or Persons	Reporting info/Notes/Remarks		
7. Assignments							
	_						
Boom to protect Parkers							
Safety Note: Very shallow water near t Jacinto River. During per	the shoreline, airboats riods of heavy rainfall t	may be nee	eded. Nume	rous tree st	umps are located on the San		
8. Site # 9. Quad Name	10. NOAA C		11. TGLO Atl		12. County		
21 H Highlands	11329	ilai e n			21 Harris		
13. Site Information	•				14. Latitude		
Bridge above Parker's Co					29-47-58.4N		
San Jacinto River and is	a good choke point to	prevent pro	duct migration	on	15. Longitude		
downstream.				-	95-5-21.4W		
16. Closest Boat Ramp		From Ramp		18. Boat Type			
Riverside Marina	0.5 NM			Shallow Al	uminum Hull		
19. Directions From MSO Hou	ston-Galveston				20. Closest Airport		
C40N to 1 40E to Monmo	-4- Dood North on Mo	······································	to T in room	. Turn loft	Baytown Airport, Baytown (HPY)		
610N to I-10E to Monmou and take first right, Park F					21. Closest Helispot Baytown Airport, 29-47-09N 94-57-9W		
22. Trustee/Contact Numbers	ı		verside iviari	ııa.	24. Width of Inlet		
USCG 713-671-5100					24. Width of inlet 540'		
TGLO 281-470-6597					25. Water depth		
TCEQ 512-463-7727		•			20'		
RCC 713-869-5001		riority			26. Current Moderate		
TPWD 281-534-0130	Economic:	•			27. # of Personnel		
USFWS 281-286-8282	N/A				4-6		
28. Booming Strategy Recome Boom at 45 degree angle		collect alor	ng west bank	ζ.			
29. Prepared By:	30.Reveiwed b	v (PSC)-		31. Reveiwed b	W (OSC)		

Updated: 15 June 2009

1. Incident	Name	2. Operation	nal Period (Da	ate/Time)		Assignment List ICS 204-OS		
3. Branch			4. Division/	Group		.00 20 : 00		
I -	ns Personnel ons Section Chief Branch Director	Name		Affiliation		Contact #(s)		
Division/	Group Supervisor							
6. Resource	es Assigned This P	eriod		"X" indi	cates 204a atta	achment with special instructions		
Reso	urce Identifier	Leader	Conta	act Info #	# or Persons	Reporting info/Notes/Remarks		
7. Assignm	ents				1	<u> </u>		
Boom cut	to facility.							
		ne shoreline, airboats	may be ne	eded Nume	erous tree st	umps are located on the San		
Jacinto R	iver. During peri	iods of heavy rainfall t	he river cui	rrent can be	swift.	ampo are located on the can		
8. Site #	9. Quad Name	10. NOAA C		11. TGLO At		12. County		
21 I	10.110747			1		Harris		
13. Site Inf	, · · ·	!				14. Latitude		
						29-48-58N		
	•	t on San Jacinto Rive o River to the Lyondel		leads from tl	ne main	15. Longitude 95-5-34.2W		
16. Closest	Boat Ramp	17. Distance	e From Ramp)	18. Boat Type	e		
Riverside	Marina	1.6 NM			Shallow Alı	uminum Hull		
19. Directio	ns From MSO Hous	ston-Galveston				20. Closest Airport Baytown Airport, Baytown (HPY)		
		th Road. North on Mo				21. Closest Helispot		
and take	first right, Park R	Rd. Proceed down Pa		iverside Mar	ina.	Baytown Airport, 29-47-09N 94-57-9W		
	Contact Numbers	23. Resour				24. Width of Inlet		
USCG	713-671-5100					400		
TGLO	281-470-6597	Low Priori	•			25. Water depth		
TCEQ RCC	512-463-7727	Environment Medium P				15' 26. Current Slow		
TPWD	713-869-5001 281-534-0130		HOHLY			27. # of Personnel		
USFWS	281-286-8282					2-4		
	g Strategy Recome					<u> </u> 2- 4		
Boom acı	oss entrance to	prevent migration.						
						aratin de la constant		
29. Prepared	Bv:	30.Reveiwed b	ov (PSC):		31. Reveiwed b	v (OSC):		

Updated: 15 June 2009

1. Incident N	1. Incident Name 2. Operati			nal Period (Date/Time)			Assignment List ICS 204-OS
3. Branch				4. Division/G	iroup		,
-	ns Personnel ns Section Chief Branch Director	Name			Affiliation		Contact #(s)
Division/G	Group Supervisor						
	s Assigned This F	Period			"X" indic	cates 204a atta	achment with special instructions
	rce Identifier		ader			# or Persons	·
	rance to Bear B				dod Nives		umps are located on the San
Very Shall	ow water near t ver. During pei	ne snoreline	e, airboats r	nay be nee	aea. Nume	rous tree st	umps are located on the San
8. Site #	9. Quad Name	lous of flea			ī		I to a
21 J	Highlands		10. NOAA Ch 11329	art #	11. TGLO Atl		12. County Harris
13. Site Info		11020		!	21	14. Latitude	
D D		- Di D.	D ! .				29-49-08N
	ou in San Jacint II. The bayou is		-	a sensitive	area just u	p cnannei	15. Longitude 95-5-20W
16. Closest I Riverside	•		17. Distance 1.6 NM	From Ramp		18. Boat Type Shallow Al	e uminum Hull
19. Direction	ns From MSO Hou	ston-Galvest	on				20. Closest Airport Baytown Airport, Baytown (HPY)
	10E to Monmou						21. Closest Helispot
	irst right, Park I		23. Resourc		reiside Mari	na.	Baytown Airport, 29-47-09N 94-57-9W 24. Width of Inlet
USCG	Contact Numbers 713-671-5100		Atlas Priority:	es at Risk			1000
	281-470-6597		Low Priorit	v			25. Water depth
TCEQ	512-463-7727		Environmenta	· •			2'
RCC	713-869-5001		Medium Pr				26. Current Moderate
TPWD	281-534-0130		Economic:	ionty			27. # of Personnel
USFWS	281-286-8282		N/A				4-8
28. Booming Boom sha	g Strategy Recom	endation		ent migration	n into the ba	iyou. Bear l	Bayou is very shallow with
							autr
29. Prepared E	Ву:		30.Reveiwed by	/ (PSC):		31. Reveiwed b	1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3

Updated: 15 June 2009

1. Incident	Name		2. Operational	nal Period (Date/Time)			Assignment List ICS 204-OS	
3. Branch			4	4. Division/G	roup			
1 -	ons Personnel ons Section Chief Branch Director	Name		Affiliation			Contact #(s)	
Division/	Group Supervisor							
	es Assigned This F	Period			"X" indi	cates 204a atta	achment with special instructions	
	urce Identifier	Lead	der	Contac	t Info #	# or Persons	Reporting info/Notes/Remarks ▼	
7. Assignm	onto							
r. Assignin	ients							
Boom to	protect entrance	to marsh ar	ea before B	anana ber	nd			
Very shal Jacinto R	llow water near t tiver. During per	he shoreline riods of heav	, airboats m y rainfall the	ay be nee	ded. Nume ent can be s	rous tree st swift.	umps are located on the San	
8. Site #	9. Quad Name	1	IO. NOAA Cha	rt #	11. TGLO Atl	as Page#	12. County	
21 K	Highlands		11329			-	Harris	
13. Site Inf	ormation						14. Latitude 29-49-34.4N	
Entrance	to marsh. Mars	sh complex is	s a sensitive	area off o	f the San Ja	acinto	15. Longitude	
	oncrete walkdow	•					95-4-24.9W	
	Boat Ramp	<u> </u>	17. Distance F	rom Ramp		18. Boat Type	e	
Riverside	: Marina		3.2 NM	•			uminum Hull	
19. Directio	ons From MSO Hou	ston-Galvesto	n				20. Closest Airport	
							Baytown Airport, Baytown (HPY)	
				rk Rd. to Riverside Marina.			Baytown Airport, 29-47-09N 94-57-9W	
	Contact Numbers		23. Resource	s at Risk			24. Width of Inlet	
USCG	713-671-5100		Atlas Priority:	a wide a			250' 25. Water depth	
TGLO TCEQ	281-470-6597 512-463-7727		Medium Prid Environmental:	•			•	
RCC	713-869-5001		Medium Pri				6' 26. Current Slow	
TPWD	281-534-0130		Economic:	litty			26. Current SIOW 27. # of Personnel	
USFWS	281-286-8282		N/A				2-4	
	ng Strategy Recom						•	
Boom ac	ross entrance to	nrevent mia	ration into t	he mareh				
DOOM ac	1035 CHILANCE IO	prevent mig	ration into t	ile iliaisii.		- Alla-		
34							TO STAND OF THE ST	
MAN	ACTUAL NAME		and the same of					
						11		
							Sept 1	
			The second			Copyrig	1. (r) 2007 Table Security Land Security Land	
29. Prepared	By:	3	30.Reveiwed by ((PSC):		31. Reveiwed b	y (OSC):	

Updated: 15 June 2009

1. Incident I	1. Incident Name 2. Operation			ate/Time)		Assignment List ICS 204-OS	
3. Branch			4. Division	/Group		.00 20 . 00	
	ns Personnel ons Section Chief Branch Director	Name	'	Affiliation		Contact #(s)	
Division/	Group Supervisor						
6. Resource	es Assigned This F	eriod		"X" indi	cates 204a atta	achment with special instructions	
Resou	urce Identifier	Leader	Cont	act Info #	# or Persons	Reporting info/Notes/Remarks 🔻	
7. Assignme	ents						
Boom to p	orotect entrance	to George Wh	ite Lake.				
						umps are located on the San	
						umps are located on the San	
			ainfall the river cu			T	
8. Site #	9. Quad Name		NOAA Chart #	11. TGLO At	-	12. County	
21 L	Highlands	11.	329		21	Harris 14. Latitude	
13. Site Info	ormation					29-49-59.4N	
Entrance	to George White	alaka Georg	e White Lake is a	sansitiva ma	rsh area off		
	n Jacinto River.	E Lake. Georgi	e write Lake is a	Serisitive IIIa	isii alea oli	95-3-55W	
16. Closest		17	Distance From Ram		18. Boat Type		
Riverside	•		NM	J		uminum Hull	
	ns From MSO Hou				onanon / m	20. Closest Airport	
						Baytown Airport, Baytown (HPY)	
610N to I-	-10E to Monmou	ıth Road. North	on Monmouth Ro	d. to T in road	d. Turn left	21. Closest Helispot	
and take t	first right, Park F	Rd. Proceed do	own Park Rd. to R	iverside Mari	ina.	Baytown Airport, 29-47-09N 94-57-9W	
22. Trustee/	Contact Numbers	23.	Resources at Risk			24. Width of Inlet	
USCG	713-671-5100		s Priority:			300'	
	281-470-6597		dium Priority			25. Water depth	
TCEQ	512-463-7727		ironmental:			6'	
RCC	713-869-5001		dium Priority			26. Current Slow	
TPWD	281-534-0130		nomic:			27. # of Personnel	
USFWS	281-286-8282		4			2-4	
28. Boomin	g Strategy Recome	endation					
Doom oor	roce entrance to	provent migrat	ion into the march				
boom aci	oss entrance to	prevent migrat	ion into the marsh	1.	100		
					LUCATO ELITIPO		
Allian .	and the second second						
			4				
						120	
29. Prepared	Ву:	30.R	Reveiwed by (PSC):		31. Reveiwed b	y (OSC):	

Updated: 15 June 2009

3. Branch 5. Operations Personnel Operations Section Chief Branch Director Division/Group Supervisor 6. Resources Assigned This Period 7. Assignments Boom entrance to San Jacinto River. Safety Note: Crews operating along the shoreline of the ship channel should expect wake action from passing vessels. 8. Site # 9. Quad Name	3. Branch 4. Division/Group 5. Operations Personnel Operations Section Chief Branch Director Division/Group Supervisor 6. Resource Assigned This Period Resource Identifier Contact Info # # or Persons Resource Identifier Leader Contact Info # # or Persons Reporting info/Notes/Remarks 7. Assignments Boom entrance to San Jacinto River. Safety Note: Crews operating along the shoreline of the ship channel should expect wake action from passing vessels. 8. Site # 9. Quad Name 10. NOAA Chart # 11. TGLO Atlas Page # 12. County Highlands 11. Site Information Entrance to San Jacinto River. This is where the San Jacinto River joins the Houston Ship Channel. The area is congested with vessel traffic. In case of emergency Contact Lynchburg Ferry 281-424-3521 19. Directions From MSO Houston-Galveston 10. Latitude 21. Altitude 21. Latitude 21. Latitude 21. Latitude 21. Latitude 21. Latitude 22. NM 23. Essources at Risk Altas Priority: 22. NM 23. Resources at Risk Altas Priority: 24. Altas Priority: 25. Water depth 37. Closest Helispot Baytown Airport, Baytown (HF 21. Closest Helispot Baytown Airport, Baytown (HF 22. Trustee/Contact Numbers USCG 713-671-5100 ROW Altas Priority: ROW Altas Prior	1. Incident Name	2. Opera	ational Period (Da		Assignment List ICS 204-OS		
Operations Section Chief Branch Director Division/Group Supervisor 6. Resources Assigned This Period "X" indicates 204a attachment with special instructions Resource Identifier Leader Contact Info # # or Persons Reporting info/Notes/Remarks 7. Assignments Boom entrance to San Jacinto River. Safety Note: Crews operating along the shoreline of the ship channel should expect wake action from passing vessels. 8. Site # 3. Quad Name 10. NOAA Chart # 11. TGLO Atlas Page # 12. County 113. Site Information 113. Site Information Entrance to San Jacinto River. This is where the San Jacinto River joins the Houston Ship Channel. The area is congested with vessel traffic. In case of emergency Contact Lynchburg Ferry 281-424-3521 16. Closest Boat Ramp 17. Distance From Ramp 29-4-4-70W 19. Directions From MSO Houston-Galveston 22. NM Shallow Aluminum Hull 19. Directions From MSO Houston-Galveston 20. Closest Airport Baytown Airport, 29-47-09N 94-57-91 Closest Helispot Alas Priority: 21. Tynstee/Contact Numbers 22. Resources at Risk 24. Width of Inlet 840-071 (25. Water depth 19. Conomic: 27. # of Personnel	Operations Section Chief Branch Director Division/Group Supervisor 6. Resources Assigned This Period Resource Identifier Resource Identifier Leader Contact Info # # or Persons Reporting info/Notes/Remarks Repor	3. Branch		4. Division	/Group		100 201 00	
Resource Assigned This Period Resource Identifier Leader Contact Info # # or Persons Reporting info/Notes/Remarks Reporting info/Notes/Lesuscents Reporting info/Notes/Lesuscents Reporting info/Notes/Lesuscents	8. Resource Assigned This Period Resource Identifier Leader Contact Info # # or Persons Reporting info/Notes/Remarks 12. County 13. Starting info/Notes/Remarks 14. Latitude 14. Latitude 14. Latitude 14. Latitude 15. Longitude 15. Long	Operations Section Chief		1	Affiliation		Contact #(s)	
Resource Identifier Leader Contact Info # # or Persons Reporting info/Notes/Remarks ## or Persons Reporting info/Notes/Remarks Reporting info/Notes/Remarks ## or Persons Reporting info/Notes/Remarks ## of Persons Reporting info/Notes/Remarks ## of Persons Reporting info/Notes/Remarks ## of Persons Reporting info/Notes/Enders ## of	Resource Identifier Leader Contact Info # # or Persons Reporting info/Notes/Remarks	Division/Group Supervisor						
Resource Identifier Leader Contact Info # # or Persons Reporting info/Notes/Remarks ## or Persons Reporting info/Notes/Remarks Reporting info/Notes/Remarks ## or Persons Reporting info/Notes/Remarks ## of Persons Reporting info/Notes/Remarks ## of Persons Reporting info/Notes/Remarks ## of Persons Reporting info/Notes/Enders ## of	Resource Identifier Leader Contact Info # # or Persons Reporting info/Notes/Remarks	6. Resources Assigned This	Period		"X" indi	cates 204a atta	achment with special instructions	
7. Assignments Boom entrance to San Jacinto River. Safety Note: Crews operating along the shoreline of the ship channel should expect wake action from passing vessels. 8. Site # 9. Quad Name	7. Assignments Boom entrance to San Jacinto River. Safety Note: Crews operating along the shoreline of the ship channel should expect wake action from passing vessels. 8. Site # 9. Quad Name 10. NOAA Chart # 11. TGLO Atlas Page # 21 Harris 13. Site Information 11. Site Information 14. Latitude 29-46-00N 14. Latitude 29-46-00N 14. Latitude 29-46-00N 15. Longitude 95-4-47W 16. Closest Boat Ramp 17. Distance From Ramp 18. Boat Type 18. Boat Type 19. Longitude 95-4-47W 19. Directions From MSO Houston-Galveston 20. Closest Airport Baytown Airport, Baytown Airport, Baytown Airport, Baytown Airport, Baytown Airport, Baytown Airport, Baytown Airport, 29-47-09N 94-57-90 22. Trustee/Contact Numbers 23. Resources at Risk 24. Width of Inlet 850' 25. Water depth 350' 25. Water depth 350' 26. Current Moderate 27. # of Personnel 4-8 28. Booming Strategy Recomendation 27. # of Personnel 4-8 28. Booming Strategy Recomendation 27. # of Personnel 4-8 4-	Resource Identifier	Leader	Cont	act Info #	# or Persons	Reporting info/Notes/Remarks	
Boom entrance to San Jacinto River. Safety Note: Crews operating along the shoreline of the ship channel should expect wake action from passing vessels. 8. Site # 9. Quad Name 10. NOAA Chart # 11. TGLO Atlas Page # 12. County Harris 13. Site Information 14. Latitude 14. Latitude 15. Longitude 15. Longitude 15. Longitude 15. Longitude 16. Closest Boat Ramp 17. Distance From Ramp 18. Boat Type 18. Boat Type 19. Directions From MSO Houston-Galveston 20. Closest Airport 19. Directions From MSO Houston-Galveston 20. Closest Airport 19. Directions From MSO Houston-Galveston 20. Closest Helispot 21. Closest Helispot 22. Resources at Risk 24. Width of Inlet 25. Water depth 26. Current Moderate 27. # of Personnel	Boom entrance to San Jacinto River. Safety Note: Crews operating along the shoreline of the ship channel should expect wake action from passing vessels. 8. Site #					1		
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Baytown Airport, Baytown (HF 610N to I-10E to Sheldon Road exit. Right on Sheldon Rd. to Market Street. Left on Market St. and look for park entrance on right. 22. Trustee/Contact Numbers USCG 713-671-5100 TGLO 281-470-6597 TCEQ 512-463-7727 RCC 713-869-5001 TPWD 281-534-0130 Baytown Airport, Baytown (HF 21. Closest Helispot Baytown Airport, 29-47-09N 94-57-9N 24. Width of Inlet 850' Strustee/Contact Numbers USCG 713-671-5100 Atlas Priority: N/A Environmental: N/A Environmental: N/A Economic: 27. # of Personnel	Baytown Airport, Baytown (HF 610N to I-10E to Sheldon Road exit. Right on Sheldon Rd. to Market Street. Left on Market St. and look for park entrance on right. 21. Closest Helispot Baytown Airport, 29-47-09N 94-57-9V Baytown Airport, 29-47-09N 9			1		Shallow Al	1	
610N to I-10E to Sheldon Road exit. Right on Sheldon Rd. to Market Street. Left on Market St. and look for park entrance on right. 21. Closest Helispot Baytown Airport, 29-47-09N 94-57-9N 94-	610N to I-10E to Sheldon Road exit. Right on Sheldon Rd. to Market Street. Left on Market St. and look for park entrance on right. 21. Closest Helispot Baytown Airport, 29-47-09N 94-57-9V Baytown Airp	19. Directions From MSO Ho	uston-Galveston				•	
on Market St. and look for park entrance on right. Baytown Airport, 29-47-09N 94-57-9N 22. Trustee/Contact Numbers 23. Resources at Risk 24. Width of Inlet USCG 713-671-5100 Atlas Priority: 850' TGLO 281-470-6597 N/A 25. Water depth TCEQ 512-463-7727 Environmental: 35' RCC 713-869-5001 N/A 26. Current Moderate TPWD 281-534-0130 Economic: 27. # of Personnel	on Market St. and look for park entrance on right. Baytown Airport, 29-47-09N 94-57-9V 22. Trustee/Contact Numbers 23. Resources at Risk 24. Width of Inlet USCG 713-671-5100 Atlas Priority: 850' TGLO 281-470-6597 N/A 25. Water depth TCEQ 512-463-7727 Environmental: 35' RCC 713-869-5001 N/A 26. Current Moderate TPWD 281-534-0130 Economic: 27. # of Personnel USFWS 281-286-8282 N/A 4-8 28. Booming Strategy Recomendation At-8	l						
22. Trustee/Contact Numbers 23. Resources at Risk 24. Width of Inlet USCG 713-671-5100 Atlas Priority: 850' TGLO 281-470-6597 N/A 25. Water depth TCEQ 512-463-7727 Environmental: 35' RCC 713-869-5001 N/A 26. Current Moderate TPWD 281-534-0130 Economic: 27. # of Personnel	22. Trustee/Contact Numbers 23. Resources at Risk 24. Width of Inlet USCG 713-671-5100 Atlas Priority: 850' TGLO 281-470-6597 N/A 25. Water depth TCEQ 512-463-7727 Environmental: 35' RCC 713-869-5001 N/A 26. Current Moderate TPWD 281-534-0130 Economic: 27. # of Personnel USFWS 281-286-8282 N/A 4-8 28. Booming Strategy Recomendation 4-8		•		to Market S	treet. Left	•	
USCG 713-671-5100 Atlas Priority: 850' TGLO 281-470-6597 N/A 25. Water depth TCEQ 512-463-7727 Environmental: 35' RCC 713-869-5001 N/A 26. Current Moderate TPWD 281-534-0130 Economic: 27. # of Personnel	USCG 713-671-5100 Atlas Priority: 850' TGLO 281-470-6597 N/A 25. Water depth TCEQ 512-463-7727 Environmental: 35' RCC 713-869-5001 N/A 26. Current Moderate TPWD 281-534-0130 Economic: 27. # of Personnel USFWS 281-286-8282 N/A 4-8 28. Booming Strategy Recomendation	on Market St. and look f		· ·			Baytown Airport, 29-47-09N 94-57-9W	
TGLO 281-470-6597 N/A 25. Water depth TCEQ 512-463-7727 Environmental: 35' RCC 713-869-5001 N/A 26. Current Moderate TPWD 281-534-0130 Economic: 27. # of Personnel	TGLO 281-470-6597 N/A 25. Water depth TCEQ 512-463-7727 Environmental: 35' RCC 713-869-5001 N/A 26. Current Moderate TPWD 281-534-0130 Economic: 27. # of Personnel USFWS 281-286-8282 N/A 4-8 28. Booming Strategy Recomendation 4-8		-	ources at Risk			24. Width of Inlet	
TCEQ 512-463-7727 Environmental: 35' RCC 713-869-5001 N/A 26. Current Moderate TPWD 281-534-0130 Economic: 27. # of Personnel	TCEQ 512-463-7727 Environmental: 35' RCC 713-869-5001 N/A 26. Current Moderate TPWD 281-534-0130 Economic: 27. # of Personnel USFWS 281-286-8282 N/A 4-8 28. Booming Strategy Recomendation 4-8	USCG 713-671-510		ority:			850'	
RCC 713-869-5001 N/A 26. Current Moderate TPWD 281-534-0130 Economic: 27. # of Personnel	RCC 713-869-5001 N/A 26. Current Moderate TPWD 281-534-0130 Economic: 27. # of Personnel USFWS 281-286-8282 N/A 4-8 28. Booming Strategy Recomendation 4-8	TGLO 281-470-659	7 N/A	N/A			25. Water depth	
TPWD 281-534-0130 Economic: 27. # of Personnel	TPWD 281-534-0130 Economic: 27. # of Personnel USFWS 281-286-8282 N/A 4-8 28. Booming Strategy Recomendation 4-8	TCEQ 512-463-772	7 Environr				35'	
	USFWS 281-286-8282 N/A 4-8 28. Booming Strategy Recomendation	RCC 713-869-500	1 N/A					
I I	28. Booming Strategy Recomendation	TPWD 281-534-013	0 Econom					
IUSFWS 281-286-8282 N/A 4-8	28. Booming Strategy Recomendation	USFWS 281-286-828	2 N/A					
28. Booming Strategy Recomendation		28. Booming Strategy Recor	nendation					
	Place cascading diversion boom along the western bank to prevent product migration.							
Place cascading diversion boom along the western bank to prevent product migration	In the second and the second provent product in gradient.	Place cascading diversion	on boom along the v	vestern hank to	o prevent pro	oduct migrat	ion	
Trace caseaung diversion boom along the western bank to prevent product migration.		Trace caseauring diversity	on boom along the v	vesterri barik ti	o provent pre	Dadet Hilgrat		
			S. Marine S. Commission of the				110	
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		4	and the state of t					
						SAF	190	
		7				1		
						8		
							The state of the s	
	29 Prepared By: 30 Reveiwed by (PSC): 31 Reveiwed by (OSC):					Copyrig	AN (C) 2000 TOURS GENERAL EARS GENERAL SECTION (C) 2000	

Assignment List

1. Incident Name 2. Operation			nal Period (Date/Time)			Assignment List ICS 204-OS	
3. Branch		4. Divis	sion/Group)		.00 20 : 00	
5. Operations Personnel Operations Section Chie Branch Direct			Affiliation			Contact #(s)	
Division/Group Superviso	or						
6. Resources Assigned Th				"X" indic	cates 204a atta	achment with special instructions	
Resource Identifier	Lea	der (Contact Inf		# or Persons	Reporting info/Notes/Remarks	
7. Assignments							
	ъ.						
Boom entrance to Old	River.						
Safety Note:							
Crews operating along	the shoreline	of the ship channe	el should	expect	wake action	from passing vessels.	
8. Site # 9. Quad Nam	1	10. NOAA Chart #			as Page #	12. County	
21 N Highlands		11329	I I I I I I I I I I I I I I I I I I I			Harris	
13. Site Information						14. Latitude	
						29-45-53N	
Entrance to Old River. This is where Old River			ne Housto	on Ship (Channel.	15. Longitude	
The area is congested						95-5-13W	
16. Closest Boat Ramp		17. Distance From F			18. Boat Type	e	
River Terrace Park		2.2 NM	·			uminum Hull	
19. Directions From MSO F	louston-Galvesto	n				20. Closest Airport	
						Baytown Airport, Baytown (HPY)	
610N to I-10E to Sheld			Rd. to M	arket St	reet. Left	21. Closest Helispot	
on Market St. and look	for park entra	nce on right.	9			Baytown Airport, 29-47-09N 94-57-9W	
22. Trustee/Contact Number		23. Resources at Ri	isk			24. Width of Inlet	
USCG 713-671-51		Atlas Priority:				1500'	
TGLO 281-470-65		N/A				25. Water depth	
TCEQ 512-463-77		Environmental:	ıtal:			20'	
RCC 713-869-50		N/A				26. Current Moderate	
TPWD 281-534-01		Economic:				27. # of Personnel	
USFWS 281-286-82		N/A				4-8	
28. Booming Strategy Reco	omendation						
B							
Boom across entrance	to prevent mig	ration.					
29 Prepared By:		30 Reveiwed by (PSC):			31 Reveiwed b	TO COLORO TERRA SOUTH LINE STATE AND THE STA	

Assignment List

1. Incident N	lame		2. Operational P	al Period (Date/Time)			Assignment List ICS 204-OS
3. Branch			4. 1	Division/G	roup		
Operation	ns Personnel ns Section Chief Branch Director	Name			Affiliation		Contact #(s)
	Group Supervisor						
	s Assigned This P						achment with special instructions
Kesoui	rce Identifier	Ltte	eader Contact Info # # or			# or Persons	Reporting info/Notes/Remarks
		 				+	뉘
						+	늼
						1	
						†	
						1	
7. Assignme	ents						
				the ship (channel st	nould expect	wake action from passing vessels.
8. Site #	9. Quad Name		10. NOAA Chart	t #	11. TGLO <i>F</i>	Atlas Page#	12. County
21 O	Highlands		11329				Harris
13. Site Info	ormation						14. Latitude
	Texas State Hi			•			29-45-24N
Houston Ship Channel. 400' containment boom prestaged under walkway to Battleship.					way to	15. Longitude 95-5-25W	
			2.2 NM				e uminum Hull
19. Direction	ns From MSO Hou	ston-Galvest	on				20. Closest Airport Baytown Airport, Baytown (HPY)
			Right on Sheldon Rd. to Market Street. Left			21. Closest Helispot	
on Market	St. and look for	r park entra	· · · · · · · · · · · · · · · · · · ·				Baytown Airport, 29-47-09N 94-57-9W
	Contact Numbers		23. Resources	at Risk			24. Width of Inlet
USCG	713-671-5100		Atlas Priority:			200'	
TGLO	281-470-6597		N/A				25. Water depth
TCEQ	512-463-7727		Environmental:				23'
RCC	713-869-5001		N/A				26. Current Moderate
TPWD	281-534-0130		Economic:				27. # of Personnel
Boom acro	281-286-8282 g Strategy Recome oss entrance to tention needs to	endation prevent mi	-			•	to extensive marsh complex and

30.Reveiwed by (PSC):

ICS 204 OS (Geographic Response Plan)

29. Prepared By:

Assignment List

31. Reveiwed by (OSC):

1. Incident N	Incident Name 2. Operational Period (Date/Time)						Assignmer ICS 20		
3. Branch				4. Division/G	roup				
Operatio	Operations Personnel Operations Section Chief Branch Director Division/Crown Synonyings				Affiliation		Contact #(s)		
	Group Supervisor								
	es Assigned This P	eriod			"X" indi	cates 204a atta	chment with specia		\supset
Resou	urce Identifier	Lea	eader Contact Info # # or Pe			# or Persons	Reporting inf	o/Notes/Remarks	$\stackrel{\bigstar}{\vdash}$
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									H
									岩
									믬
7									ᆜ
7. Assignme	ents								
Poom ont	ranga ta Carnan	storio Povoi							
	rance to Carper								-
Safety Note Crews ope	erating along the	e shoreline	of the ship	channel sho	ould expect	wake action	from passing v	essels. In secu	_{uritv}
zone.	ag along an	2	Jinp (onpool		paconig v		
8. Site #	9. Quad Name		10. NOAA Ch	ort #	11. TGLO At	loc Pogs #	12. County		
21 P	Highlands		11329	art#	III. IGLO AL		Harris		
			11329		<u> </u>	۷۱			_
13. Site Info	ormation						14. Latitude		
_						_	29-45-24.5N		
	to Carpenter's E	•		•		the	15. Longitude		
Houston S	Ship Channel. T	he area is	congested v	vith vessel t	traffic.		95-5-42W		
16. Closest	Boat Ramp		17. Distance From Ramp 18. Boat Typ				9		
River Terr	race Park		2.2 NM Shallow Al			uminum Hull			
19. Direction	ns From MSO Hou	ston-Galvest	on				20. Closest Airpor	rt .	
							Baytown Airpor		>Υ)
610N to I-	10E to Sheldon	Road exit.	Right on Sh	Sheldon Rd. to Market Street. Left			21. Closest Helispot		
	t St. and look for		•				Baytown Airport, 29-47-09N 94-57-9W		
	Contact Numbers	pant onto	23. Resources at Risk				24. Width of Inlet		-
USCG	713-671-5100		23. Resources at Risk Atlas Priority:			650'			
TGLO	281-470-6597		N/A	•			25. Water depth		
TCEQ	512-463-7727		Environmenta	1.			15'		
				l:				21	
RCC	713-869-5001		N/A					Slow	
TPWD	281-534-0130		Economic:				27. # of Personne	ı	
USFWS	281-286-8282		N/A				2-4		
28. Booming	g Strategy Recome	endation							
Boom acre	oss entrance to	prevent mi	gration.						
200						101			4
			A CHARLES			Chamber			
-		And the same						1110	And
4							1.1	T	N. W.
			1				10		4.7
11	LILLI	No. of London					Man Mary	-	
- Carling St.							20 les		
		-					18	1/3	W 1
						34		() T	
								The same of the sa	1
									12
						100	2000	11 3H	3

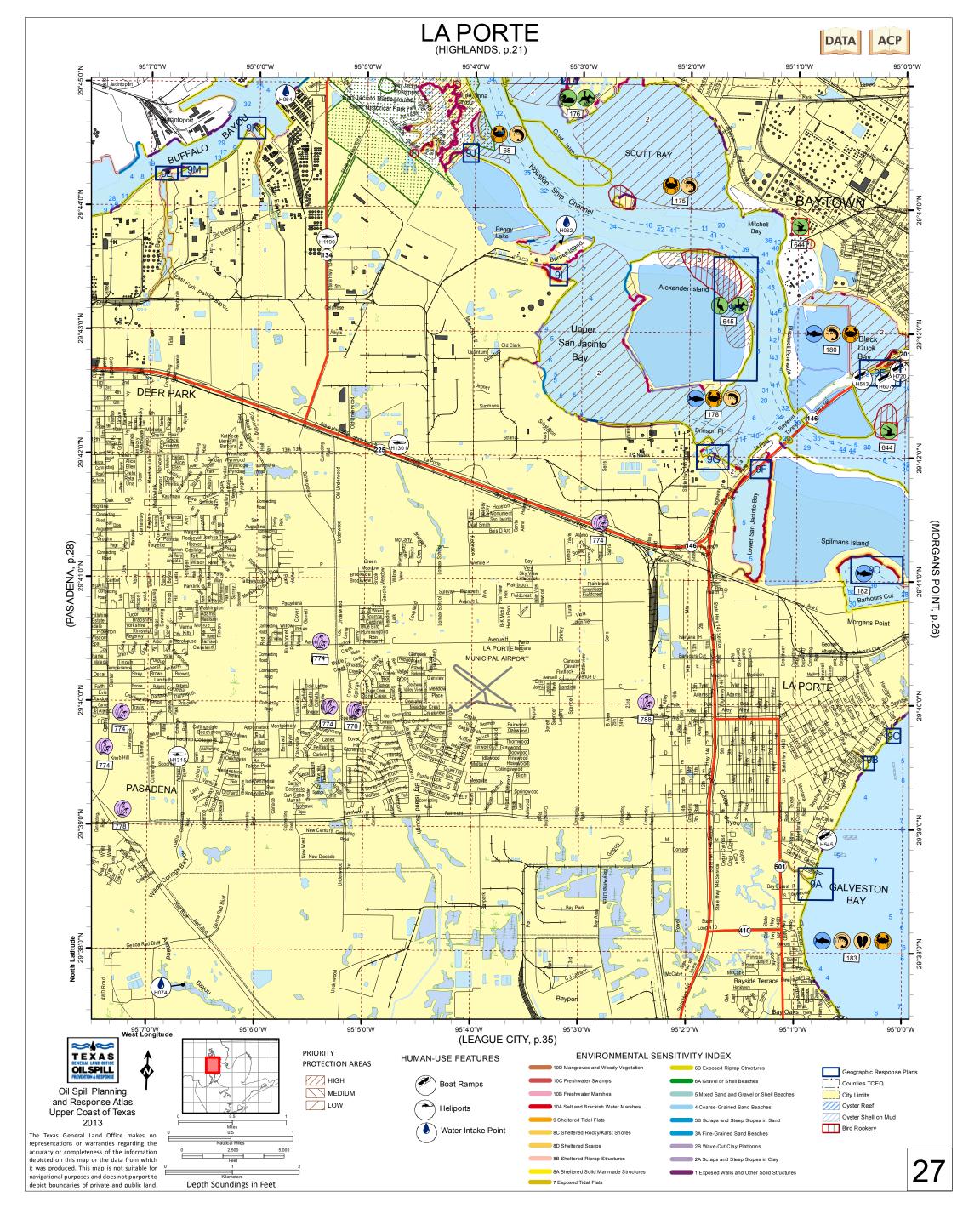
30.Reveiwed by (PSC):

ICS 204 OS (Geographic Response Plan)

29. Prepared By:

Assignment List

31. Reveiwed by (OSC):



I A PORTE

Map #27

	OKIL			IVIAD #ZI
		HUN	MAN USE RESOURCES	-
Boat Ram	ps			
RARNUM	NAME			
H543	Tabb's Bay			
H545	Sylvan Beach			
H607	The Galley			
H720	The Galley			
Heliports				
RARNUM	MANAGER		PHONE	
H1190	C.J. Monk		(713) 476-3700	
H1301	H. Carlos Smith		(713) 471-4226	
H1315	Larry D. Tucker		(713) 476-1501	
Water Int	ake Points			
RARNUM	OWNER	TYPE		
H062	Houston L&P-Sam Bertram	6		
H064	Paktank Corporation-Deer Park	1		
H074	Baywood Country Club	1		

			·
	•	BIOLOGICAL RESOURCES	
Birds			
RARNUM	NAME	S/F T/E CONCEN J F M A M J J A S O N D NESTING LAYING	HATCHING FLEDGING
176	Pied-billed grebe	X X X X X X X X X X MAR-AUG MAR-AUG	MAR-AUG APR-SEP
	American coot	X X X X X X X X	
177	Least tern	F E X X X X X X X X APR-SEP APR-SEP	MAY-SEP MAY-OCT
644 645	Least tern	F E 18	MAY-SEP MAY-OCT APR-JUL APR-AUG
645	Cattle egret Snowy egret	170 X X X X X X X X X X X APR-JUL APR-JUL	APR-JUL MAY-AUG
	Black-crowned night heron	280 X X X X X X X X X X X APR-AUG APR-AUG	APR-AUG APR-SEP
	White ibis	280 XXXXXXXXXXX FEB-JUN FEB-JUN	FEB-JUN MAR-JUL
	Little blue heron	8 XXXXXXXXXXXXAPR-JUL APR-JUL	APR-JUL MAY-AUG
	Great blue heron	8 X X X X X X X X X X FEB-JUN FEB-JUN	FEB-JUN MAR-JUL
	Tricolored heron	26 X X X X X X X X X X X APR-AUG APR-AUG	APR-AUG MAY-SEP
	Roseate spoonbill Olivaceous cormorant	28 XXXXXXXXXXXXXAPR-AUG APR-AUG 77 XXXXXXXXXXXXXJAN-JUL JAN-JUL	APR-AUG MAY-SEP JAN-JUL FEB-AUG
	Great egret	133 X X X X X X X X X X X X MAR-JUL MAR-JUL	MAR-JUL MAR-AUG
	Great egret	133 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	WAR-JOE WAR-AGG
Fish			
RARNUM	NAME	S/F T/E CONCEN J F M A M J J A S O N D SPAWNING LARVAL/JUV	
178	Gulf menhaden	X X X X X X X X X X X NOV-FEB DEC-MAR	
	Red drum	X X X X X X X X X X X AUG-NOV SEP-DEC	
400	Southern flounder	X X X X X X X X X X X - OCT-DEC	
180 182	Spot Red drum	X X X X X X X X X X X NOV-FEB NOV-FEB X X X X X X X X X X X X AUG-NOV SEP-DEC	
102	Spotted seatrout	X X X X X X X X X X X ADG-NOV 3LF-DEC	
183	Gulf menhaden	HIGH XXXXXXXXXXXXXXX DOV-FEB DEC-MAR	
	Sand seatrout	X X X X X X X X X X X - MAR-DEC	
	Striped mullet	X X X X X X X X X X X NOV-JAN DEC-FEB	
Shellfish			
RARNUM	NAME	S/F T/E CONCEN J F M A M J J A S O N D SPAWNING LARVAL/JUV	
68	Grass shrimp	X X X X X X X X X X X	
	Blue crab	X X X X X X X X X X APR-JUL MAY-AUG	
175	White shrimp	X X X X X X X X X X X MAY-OCT MAY-OCT	
470	Blue crab	X X X X X X X X X X APR-JUL MAY-AUG	
178	Blue crab White shrimp	X X X X X X X X X X APR-JUL MAY-AUG X X X X X X X X X X X MAY-OCT MAY-OCT	
180	Grass shrimp	XXXXXXXXXXXX WAT-OCT WAT-OCT	
. 50	Blue crab	X X X X X X X X X X APR-JUL MAY-AUG	
183	American oyster (eastern)	X X X X X X X X X X MAR-JUL APR-JUL	
	Brackishwater clam	X X X X X X X X X X X	
	Blue crab	X X X X X X X X X X APR-JUL MAY-AUG	
	Brown shrimp	X X X X X X X X X X X NOV-MAR FEB-JUN	
Plants/Co	ommunities		
RARNUM	NAME	S/F T/E	
774	Texas windmill-grass	F C2	
778	Houston machaeranthera	F C2	
788	Little bluestem-brownseed paspali	ım series	

LA PORTE Map # 27

Polygon #	Priority	Description: what organism(s), habitat(s)?						
Pinchpoint at mouth of Santa Anna Bayou can be boomed to protect polygon 1 (and polygons 8 and 9 on Highlands quad) from spills in San Jacinto River.								
1	Medium	Marsh east of Santa Anna Bayou. Nursery (high), bird habitat (medium). San Jacinto State Park. Continued on Highlands quad.						
2	Low	(a) Scott Bay, (b) Upper San Jacinto Bay, and (c) eastern Black Duck Bay. Nursery (high).						
3	High	Northeastern Alexander Island. Rookery (high). Best rookery in area (hundreds of nesting pairs). <u>Note</u> : Nesting season is February-August in rookeries.						
4	Low	South Crystal Bay. Nursery (high). Continued on Highlands quad.						

Operations Section C Branch Dir	ı Name	1	A Division 10			Assignment List ICS 204-OS			
Operations Section C Branch Dir Division/Group Super 6. Resources Assigned	ı Name		4. Division/G	roup		100 204-00			
6. Resources Assigned	5. Operations Personnel Operations Section Chief Branch Director Division/Group Supervisor			Affiliation		Contact #(s)			
Resource Identifier					1	achment with special instructions			
	Le	eader	Contac	t Info #	# or Persons	Reporting info/Notes/Remarks			
7. Assignments Boom entrance to Li Safety Note:	·								
Responders should 8. Site # 9. Quad N									
	ame	10. NOAA Ch	nart #	11. TGLO At	las Page #	12. County			
9 A La Porte		11327	27			Harris 14. Latitude			
13. Site Information									
						29-38-35 N			
1	l D				11-04	15. Longitude			
Located between Sy	ivan Beach and			b south of F		095-00-51W			
16. Closest Boat Ramp	3		From Ramp		18. Boat Typ				
Sylvan Beach Boat Ramp 0.5 NM 19. Directions From Sector Houston-Galveston					Work Boat				
						20. Closest Airport			
Take I-610 south to Hy						La Porte Municipal Airport			
146 south to Fairmont					n right on	21. Closest Helispot			
Bayshore Drive to the			oat ramp entrance. Irces at Risk			La Porte Municipal Airport			
22. Trustee/Contact Nu						24. Width of Inlet			
USCG 713-671-		Atlas Priority:				350'			
TGLO 281-470-		Low Priorit				25. Water depth			
TCEQ 512-463-		Environmenta				1'			
RCC 713-869-		Medium Pr	iority			26. Current < 1/2 knot			
TPWD 281-534-		Economic:				27. # of Personnel			
USFWS 281-286-	8282	Low Priorit	У			2-3			
28. Booming Strategy R Double boom may b			·		31 Reveiwed h	01 08 2009			
29. Prepared By: Assignment List	ICS 204 O	30.Reveiwed by S (Geographic	, ,	an)	31. Reveiwed by	y (OSC): pdated: 08 January 2009			

1. Incident Name 2. Operational Period (Date			ate/Time)	Assignment List ICS 204-OS				
3. Branch	<u> </u>	4. Division/	Group		100 204-00			
5. Operations Personnel Operations Section Chief Branch Director	Name		Affiliation		Contact #(s)			
Division/Group Supervisor			113711.1	" · · · · · · · · · · · · · · · · · · ·				
6. Resources Assigned This		0			achment with special instructions			
Resource Identifier	Leader	Conta	act Info #	# or Persons	Reporting info/Notes/Remarks			
7. Assignments								
Boom entrance to creek Safety Note:	S of S Brownell Stree	t.						
Responders should exerc	cise caution due to un	charted pilin	nas					
8. Site # 9. Quad Name 9 B La Porte	10. NOAA 11327	•	_	Atlas Page #	12. County Harris			
13. Site Information					14. Latitude 29-39-34 N 15. Longitude			
Located between S Brow	eeze Street			095-00-17W				
16. Closest Boat Ramp	ce From Ramp)	18. Boat Typ	е				
Sylvan Beach Boat Ramp				Work Boat				
19. Directions From Sector HTake I-610 south to Hwy 22146 south to Fairmont Park	5 . Take Hwy 225 east				Closest Airport La Porte Municipal Airport Closest Helispot			
Bayshore Drive to the third				g o	La Porte Municipal Airport			
22. Trustee/Contact Numbers	23. Resou	rces at Risk			24. Width of Inlet			
USCG 713-671-5100		-			50'			
TGLO 281-470-6597 TCEQ 512-463-7727		•			25. Water depth 1'			
RCC 713-869-5001		•			26. Current < 1/2 knot			
TPWD 281-534-0130					27. # of Personnel			
USFWS 281-286-8282 28. Booming Strategy Recom		пцу			2-3			
Double boom may be rec	quired to protect creek	ζ.		_				
29. Prepared By:	30.Reveiwed	by (DSC):		31. Reveiwed b	01,03,2009			

Updated: 08 January 2009

1. Incident N	lame	2. Operatio	nal Period (Da	ate/Time)		Assignment List ICS 204-OS		
3. Branch		<u>,</u>	4. Division/	Group		100 204 00		
-	ns Personnel ns Section Chief Branch Director	Name		Affiliation		Contact #(s)		
Division/0	Group Supervisor							
6. Resource	s Assigned This F	Period		"X" in	dicates 204a att	achment with special instructions		
	rce Identifier	Leader	Conta	act Info #	# or Persons	Reporting info/Notes/Remarks		
Safety Note	ance to creek e	east of S Blackwell Str				<u> </u>		
		ise caution due to und		7				
8. Site #	9. Quad Name	10. NOAA (hart #		Atlas Page #	12. County		
9 C	La Porte	11328		27		Harris 14. Latitude		
13. Site Info	rmation					29-39-46 N		
						15. Longitude		
I ocated be	etween S Black	well Street and Sandy	/ Lane			095-00-04W		
16. Closest			e From Ramp)	18. Boat Typ	<u> </u>		
	ach Boat Ramp				Work Boat			
		ouston-Galveston				20. Closest Airport		
Take I-610	south to Hwy 22	5 . Take Hwy 225 east เ	ıntil it ends a	t Hwy 146.	Take Hwy	La Porte Municipal Airport		
146 south t	o Fairmont Parkv	vay. Turn left on Fairmo	nt Parkway t	il it ends. Tu		21. Closest Helispot		
		driveway on the left - boa		nce.		La Porte Municipal Airport		
	Contact Numbers		ces at Risk			24. Width of Inlet		
USCG	713-671-5100					250'		
TGLO	281-470-6597		•			25. Water depth 1'		
TCEQ RCC	512-463-7727 713-869-5001					26. Current < 1/2 knot		
TPWD	281-534-0130		Honly			27. # of Personnel		
USFWS	281-286-8282		itv			2-3		
28. Booming	Strategy Recom							
29. Prepared B		30.Reveiwed			31. Reveiwed b	01_08_2009 by (OSC):		
Assignmen	•	ICS 204 OS (Geographi	, ,					

1. Incident N	Name	2	. Operationa	l Period (Dat	e/Time)		Assignment List ICS 204-OS		
3. Branch			ľ	4. Division/G	roup		100 204 00		
_	ns Personnel ons Section Chief Branch Director	Name		Affiliation Contact #(s)					
Division/0	Group Supervisor								
	es Assigned This F	Period			"X" in	dicates 204a att	achment with special instructions		
	rce Identifier	Lead	ler	Contac	t Info #	# or Persons	· ·		
110000	il do Taorianion	2044	.01	Contac	K 11110 11	77 01 1 0100110	repeting injertetee/remaine \$		
7. Assignme	ents								
Boom to p	rotect Barbours	Cut fringe m	narsh.						
Safety Note									
Responde	ers should exerc	ise caution d	lue to frequ	ent vessel	movemer	nt.			
8. Site #	9. Quad Name	1	0. NOAA Cha	art #	11. TGLO /	Atlas Page #	12. County		
9 D	La Porte	1	1328		27		Harris		
13. Site Info	ormation						14. Latitude		
							29-41-12 N		
							15. Longitude		
Located o	n the north side	of the turnin	g basin.				095-00-29W		
16. Closest	Boat Ramp	1	17. Distance	From Ramp		18. Boat Typ	e		
	ach Boat Ramp		1.2 NM			Work Boat			
19. Direction	ns From Sector Ho	ouston-Galvest	ton				20. Closest Airport		
Take I-610	south to Hwy 225	5. Take Hwy	225 east un	til it ends at	Hwy 146.	Take Hwy	La Porte Municipal Airport		
146 south t	o Fairmont Parkv	vay. Turn left	on Fairmont	Parkway til	it ends. To		21. Closest Helispot		
Bayshore D	Drive to the third o				ce.		La Porte Municipal Airport		
	Contact Numbers	I	23. Resource	s at Risk			24. Width of Inlet		
USCG	713-671-5100		Atlas Priority:				N/A		
TGLO	281-470-6597		ow Priority				25. Water depth		
TCEQ	512-463-7727		Environmental				3'		
RCC	713-869-5001		ow Priority				26. Current < 1/2 knot		
TPWD	281-534-0130	I	Economic:				27. # of Personnel		
USFWS	281-286-8282		ow Priority	•			2-3		
28. Booming	g Strategy Recom	endation							
		11/200							
HATHITS							D1 D8 2009		
29. Prepared E	Ву:	3	0.Reveiwed by	(PSC):		31. Reveiwed b	y (OSC):		

Updated: 08 January 2009

1. Incident N	lame		2. Operation	al Period (Dat	e/Time)		Assignment List		
				1. 5			ICS 204-OS		
3. Branch				4. Division/G	iroup				
5. Operation Operation	s Personnel ns Section Chief Branch Director	Name			Affiliation		Contact #(s)		
Division/G	Group Supervisor								
6. Resource	s Assigned This F	Period			"X" in	dicates 204a atta	achment with special instructions		
Resource Identifier Le			ader Contact Info #			# or Persons	Reporting info/Notes/Remarks V		
7. Assignme	ents								
	rotect Black Du	іск Вау.							
Safety Note			1 . (. (
Responde 8. Site #	rs should exerc	ise caution	•		7		I		
9 E			10. NOAA CI	nart #		Atlas Page #	12. County		
ອ ⊏ 13. Site Info	La Porte		11328		27		Harris 14. Latitude		
13. Site into	rmation						29-41-12 N		
							15. Longitude		
l ocated ur	nder the 1/16 Hy	wy at the er	trance to R	Black Duck Bay.			095-00-29W		
16. Closest		wy at the en		From Ramp	ay.	18. Boat Typ			
	ach Boat Ramp)	4.9 NM	r rom Kamp		Work Boat			
	s From Sector H					TWOIR Boat	20. Closest Airport		
	south to Hwy 225			ntil it ands at	⊔ww 146	Taka Huay	La Porte Municipal Airport		
	o Fairmont Parkv						21. Closest Helispot		
	rive to the third o					arringric on	La Porte Municipal Airport		
	Contact Numbers	-	23. Resource	•			24. Width of Inlet		
USCG	713-671-5100)	Atlas Priority:	:			N/A		
TGLO	281-470-6597	•	Low Priorit	:y			25. Water depth		
TCEQ	512-463-7727	•	Environmenta	al:			2'		
RCC	713-869-5001		Medium Pi	riority			26. Current < 1/2 knot		
TPWD	281-534-0130		Economic:				27. # of Personnel		
USFWS	281-286-8282		Low Priorit	У			2-3		
	Strategy Recom	A Committee of the comm				y "			
29. Prepared B	y:	0,100	30.Reveiwed by	y (PSC):		31. Reveiwed b	y (OSC):		
Assignmen	t List	ICS 204 OS	(Geographic	Response Pl	lan)	Updated: 08 January 2009			

1. Incident N	ame		2. Operation	al Period (Dat	e/Time)		Assignment List ICS 204-OS		
3. Branch				4. Division/Group			100 201 00		
5. Operations Personnel Operations Section Chief Branch Director Division/Group Supervisor			Affiliation			Contact #(s)			
	s Assigned This F	Pariod			"X" ind	licates 204a att	achment with special instructions	$\overline{}$	
	ce Identifier		ıder	Contac	t Info #	# or Persons	· · · · · · · · · · · · · · · · · · ·	+	
Resour	ce identifier	Lea	luei	Contac	t IIIIO #	# OF PEISONS	Reporting inio/Notes/Remarks	$\overline{}$	
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								믬	
								屵	
								믬	
7 4				L				Ш	
7. Assignme	nts								
Boom to pr	rotect Lower Sa	an Jacinto E	Bay.						
Safety Note:									
Responder	rs should exerc	ise caution	due to freq	uent vessel	movement	t.			
8. Site #	9. Quad Name		10. NOAA CI	nart #	11. TGLO A	tlas Page #	12. County		
9 F	La Porte		11328		27	J	Harris		
13. Site Info	rmation			~•			14. Latitude		
							29-41-57 N		
							15. Longitude		
Located w	est of the Fred	Hartman Ri	idae				095-01-28 W		
16. Closest E		Hartinan bi		From Domes		18. Boat Typ	1		
	•		5.7 NM	From Ramp					
	ach Boat Ramp					Work Boat			
							20. Closest Airport		
	south to Hwy 225						La Porte Municipal Airport		
	Fairmont Parkv					rn right on	21. Closest Helispot		
	rive to the third o				ce.		La Porte Municipal Airport		
	Contact Numbers		23. Resource				24. Width of Inlet		
	713-671-5100		Atlas Priority:				N/A		
	281-470-6597	,	Low Priorit	•			25. Water depth]	
TCEQ	512-463-7727	•	Environmenta	al:			2'		
RCC	713-869-5001		High Priori	ty			26. Current < 1/2 knot		
TPWD	281-534-0130)	Economic:				27. # of Personnel		
USFWS	281-286-8282		Low Priorit	V			2-3		
	Strategy Recom			-			•		
	,								
25424045/1	7.00	guinnous	14 1			1			
∦€stato	201					Ī	- 84		
	Assembly Ma Suscept							8	
		John L.	Danie de la constante de la co						
						340			
	· die					howell likeling	- I Car Tribune and All Will Co. 18	100	
							22 - CONTRACT - CONTRACT	-	
1									
El Colon		HAI	IN S						
0									

29. Prepared By: 30.Reveiwed by (PSC): 31. Reveiwed by (OSC):

Assignment List ICS 204 OS (Geographic Response Plan) Updated: 08 January 2009

Lower San Jacinto Bay

01.08.2009

1. Incident Name	2.	. Operational P	eriod (Date	e/Time)		Assignment List ICS 204-OS	
3. Branch	L	4. 1	Division/G	roup		100 201 00	
5. Operations Personnel Operations Section Chief Branch Director	I		Affiliation	Contact #(s)			
Division/Group Supervisor				#X/# !	-l'1 004u	and a second width and a start to a travellance	
6. Resources Assigned This I Resource Identifier			Camtant		# or Persons	achment with special instructions	
Resource identilier	Leade	er	Contact	I IIIO #	# Of Persons	Reporting info/Notes/Remarks ▼	
7. Assignments							
7. Assignments							
Boom to protect fringe ma	arsh SE of Bri	inson Point.					
Safety Note:							
Responders should exerc	ise caution d	ue to frequer	nt vessel	movemen	nt.		
8. Site # 9. Quad Name		0. NOAA Chart			Atlas Page #	12. County	
9 G La Porte	1	1328		27		Harris	
13. Site Information						14. Latitude	
						29-41-56 N	
Located west of the Fred	Hartman Brid	lge west of e	ntrance t	o Lower S	San Jacinto	15. Longitude	
Bay.					1	095-01-36 W	
16. Closest Boat Ramp		7. Distance Fro	om Ramp		18. Boat Typ		
Sylvan Beach Boat Ramp		.7 NM			Work Boat		
19. Directions From Sector H						20. Closest Airport	
Take I-610 south to Hwy 22						La Porte Municipal Airport	
146 south to Fairmont Parky					ırn right on	21. Closest Helispot	
Bayshore Drive to the third of		e lett - boat rar 23. Resources a	<u> </u>	ce.		La Porte Municipal Airport 24. Width of Inlet	
22. Trustee/Contact Numbers USCG 713-671-5100		tlas Priority:	at KISK			N/A	
TGLO 281-470-6597		ow Priority				25. Water depth	
TCEQ 512-463-7727		nvironmental:				1'	
RCC 713-869-5001		ligh Priority				26. Current < 1/2 knot	
TPWD 281-534-0130		conomic:				27. # of Personnel	
USFWS 281-286-8282		ow Priority				2-3	
28. Booming Strategy Recom		.ow i nonty				2 0	
20. Dooming offacegy Recom	Citation						
generate 8	gueroogs						
Automate)	Taken and the same of the same	W/L					
framity of discusse	1 10 9				-		
		societaci.					
	1 Mices				見 間 陳 埋	BIRDHIERMONN VON	
						The second secon	
		ACX.					
	HARRI	1					
- 0							

29. Prepared By: 30.Reveiwed by (PSC): 31. Reveiwed by (OSC):

Assignment List ICS 204 OS (Geographic Response Plan) Updated: 08 January 2009

Lower San Jacinto Bay

01.08.2009

1. Incident N	ame		2. Operation	al Period (Dat	e/Time)		Assignment List ICS 204-OS	
3. Branch				4. Division/G	roup		100 204-00	
	s Personnel as Section Chief Branch Director aroup Supervisor	Name			Affiliation		Contact #(s)	
	s Assigned This F	Period			"X" indi	cates 204a atta	achment with special instructions	$\overline{}$
	ce Identifier		ader	Contac	t Info #	# or Persons	Reporting info/Notes/Remarks	ightharpoons
	2000.		Contac			[<u> </u>	
7. Assignme	nts rotect NE Alexa	under Island	1					
Safety Note:		iliuei isialik	<i>i</i>					\dashv
	rs should exerc	ise caution	due to frequ	uent vessel	movement/	vessel wake	e and snakes.	
8. Site #	9. Quad Name		10. NOAA Ch		11. TGLO Atl		12. County	
9 H	La Porte		11329		27		Harris	
13. Site Info	rmation		•				14. Latitude	
laland ia la	cated west of E	Povtovn on	d oast of Un	nor Con Io	ointo Pov	Aroo io	N/A	
	ity rookery are	-		•	-	Area is	15. Longitude N/A	
16. Closest B		a - nesung	-	From Ramp	ry-August.	18. Boat Type	I	\dashv
River Terra	•		6.1 NM	From Kamp		Work Boat		
	s From Sector Ho	ouston-Galve				WOIK BOAL	20. Closest Airport	\dashv
							La Porte Municipal Airport	
	north to IH-10 ea	st - turn righ	t on S Sheldo	on Rd - turn l	eft onto Mark	cet St - Turn	21. Closest Helispot	
	ic boat ramp. Contact Numbers		22 Posouro	rces at Risk			La Porte Municipal Airport 24. Width of Inlet	
USCG	713-671-5100		Atlas Priority:	es at Misk			N/A	
TGLO	281-470-6597		High Priorit				25. Water depth	
TCEQ	512-463-7727		Environmenta	•			1'	
RCC	713-869-5001		High Priorit				26. Current < 1/2 knot	
TPWD	281-534-0130		Economic:	·y			27. # of Personnel	
USFWS	281-286-8282		Low Priority	V			4-6	
Recomme	Strategy Recommend diversion bo		vert produc	t away from	sensitive a	rea.		
29. Prepared B	10 Taxas Senseri Land Office, 1285	1.374	30.Reveiwed by	, ,		31. Reveiwed by		
Assignmen	t List	ICS 204 OS	(Geographic	Response PI	an)	U	pdated: 08 January 2009	

1. Incident N	lame		2. Operation	al Period (Dat	e/Time)		Assignment List ICS 204-OS	
3. Branch			•	4. Division/G	roup			
•	s Personnel	Name		Affiliation			Contact #(s)	
Division/C	Branch Director Froup Supervisor							
		ania d			"V" in di	achment with special instructions		
6. Resources Assigned This Period Resource Identifier Le			ader	Contac	t Info #	# or Persons	Reporting info/Notes/Remarks	}
Resour	ce identifier	Lec	auei	Contac	t IIIIO #	# OF PEISONS	Reporting into/Notes/Remarks	$\overline{}$
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				†		†		퓜
								一
								\equiv
7. Assignme	nts rotect intake to	Power Plar	nt.					
Safety Note:								
		ise caution	due to freq	uent vessel	movement	vessel wake	e and submerged object.	
8. Site #	9. Quad Name		10. NOAA CI		11. TGLO At		12. County	
9 I	La Porte		11329		27		Harris	
13. Site Info	rmation						14. Latitude	
							29-43-28 N	
Entrance is	s located south	west of Bar	nes Island	in the northy	west corner	of Upper	15. Longitude	
San Jacint	<u> </u>		•				095-03-13 W	
16. Closest E	•			From Ramp		18. Boat Typ		
River Terra			4.6 NM			Work Boat		
19. Direction	s From Sector Ho	ouston-Gaive	ston				20. Closest Airport	
							La Porte Municipal Airport	
	north to IH-10 ea	st - turn righ	t on S Sheld	on Rd - turn I	eft onto Mark	ket St - Turn	21. Closest Helispot La Porte Municipal Airport	
	ic boat ramp.		23. Resourc	os at Pick			24. Width of Inlet	
22. Trustee/C USCG	Contact Numbers 713-671-5100		Atlas Priority:				800'	
TGLO	281-470-6597		Low Priorit				25. Water depth	
TCEQ	512-463-7727		Environmenta	•			2'	
RCC	713-869-5001		Low Priorit				26. Current < 1/2 knot	
TPWD	281-534-0130		Economic:	9			27. # of Personnel	
USFWS	281-286-8282		High Priori	tv			2-3	
	Strategy Recome			.,			-	
-								
	Maria Maria	40						





29. Prepared By:	30.Reveiwed by (PSC):	31. Reveiwed by (OSC):
Assignment List ICS	S 204 OS (Geographic Response Plan)	Updated: 08 January 2009

1. Incident N	ame		2. Operationa	al Period (Da	nte/Time)		Assignment List ICS 204-OS
3. Branch				4. Division/	Group		100 204-00
5. Operation Operation	s Personnel as Section Chief Branch Director	Name			Affiliation		Contact #(s)
Division/G	Froup Supervisor						
	s Assigned This F	Period			"X" inc	dicates 204a atta	achment with special instructions
	ce Identifier		Leader Contact Info #			# or Persons	Reporting info/Notes/Remarks
ı							
						1	
						1	
						1	
						T	
7. Assignme	nts					•	
Í							
	rotect mouth of						
-		should exe	rcise caution	n due to fre	equent vess	sel movemen	t/vessel wake and submerged
	allow water.						
8. Site #	9. Quad Name		10. NOAA Ch	nart #	11. TGLO A	tlas Page #	12. County
9 J	La Porte		11329		27		Harris
13. Site Info	rmation						14. Latitude
							29-44-28 N
	s located on the	southeast	side of the	San Jacint	o Battlegro	und State	15. Longitude
Park - Bird	habitat.						095-04-01 W
16. Closest E	•		17. Distance	From Ramp)	18. Boat Typ	e
River Terra			3.8 NM			Jon Boat	
19. Direction	s From Sector Ho	ouston-Galve	ston				20. Closest Airport La Porte Municipal Airport
	north to IH-10 ea ic boat ramp.	st - turn righ	t on S Sheldo	on Rd - turn	left onto Ma	rket St - Turn	21. Closest Helispot La Porte Municipal Airport
	Contact Numbers		23. Resourc	es at Risk			24. Width of Inlet
USCG	713-671-5100		Atlas Priority:				1000'
TGLO	281-470-6597		Medium Pr				25. Water depth
TCEQ	512-463-7727		Environmenta	•			<1'
RCC	713-869-5001		High Priorit				26. Current >1 knot
TPWD	281-534-0130		Economic:	ıy			27. # of Personnel
USFWS	281-286-8282		Low Priority	W			2-3
	Strategy Recom	endation	LOWING	у			2-0
_			hooming m	nav he diffi	cult - recom	mend exclus	sion booming. Note: CCA has
	ned 200' of 18' b	_	_	•		IIIIOIIG OXOIGO	John Booming. 140to. 507 that
hiebosine.	160 200 01 10 .	Joonn at po	3111011 20 71	-2/14 000 3	J4-00 v v .	1,000 (100)	
		Litery .					
	V	San Si					
	6						
	- Table 1						The second secon
				Name of Street	-	- And	
Section 1	C. Maria					15	
						5	Prepositioned
185/X	1/1 Maria San	363				W. T.	Boom
							200' 18"
	A THE SAME				01.08	201	07.08.2009
29 Prepared B	05 Yawa General Land Office, ESAS		30 Reveiwed by	(DSC):		31 Reveiwed b	w (02C):

Assignment List

Updated: 08 July 2009

1. Incident Name		2. Operational	Period (Dat	e/Time)	Assignment List ICS 204-OS		
3. Branch			4. Division/G	roup		100 20 1 00	
5. Operations Personn Operations Section (Branch Di Division/Group Supe	Chief			Affiliation	Contact #(s)		
6. Resources Assigned				"V" inc	dicatos 204a att	achment with special instructions	$\overline{}$
Resource Identifie		eader	Contac	t Info #	# or Persons	Reporting info/Notes/Remarks	+
Resource identille		eauei	Contac	11110 #	# OI FEISOIIS	Reporting into/Notes/Remarks	$\overline{}$
							H
					+		\exists
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					+		\exists
					+		Ħ
7. Assignments						I	
Boom to protect mo	uth of Tucker Ba	avou					
			due to fred	quent vess	el movemen	t/vessel wake and submerged	
object.				10.0		arra casa. Irane arra casa. Irangca	
8. Site # 9. Quad N	Name	10. NOAA Cha	art #	11. TGLO A	tlas Page #	12. County	
9 K La Porte	<u> </u>	11329		27	o. age	Harris	
13. Site Information	•	11020				14. Latitude	
						29-44-30 N	
Entrance is located	on the south sid	le of Buffalo B	savou west	of San Ja	cinto	15. Longitude	
Battleground State		io oi Bailaio B	ayou woo	or carroa	onito	095-06-00 W	
16. Closest Boat Ramp		17. Distance I	From Ramn		18. Boat Typ	<u>. </u>	
River Terrace Park		3.8 NM	Tom Kamp		Work Boat		
19. Directions From Se	ctor Houston-Galv				TVVOIK BOAL	20. Closest Airport	
						La Porte Municipal Airport	
Take I-610 north to IH	I 10 coot turn ria	ht on C Choldo	o Dd. turo l	oft anta Ma	rket St. Turn	21. Closest Helispot	
right to public boat rar		iii oii 3 Sileidoi	ii Ku - tuiii ii	en onto ma	rket St - Tulli	La Porte Municipal Airport	
22. Trustee/Contact Nu		23. Resource	s at Risk			24. Width of Inlet	
USCG 713-671		Atlas Priority:	o at mon			300'	
TGLO 281-470		Low Priority				25. Water depth	
TCEQ 512-463		Environmental:				4'	
RCC 713-869		Low Priority				26. Current < 1/2 knot	
TPWD 281-534		Economic:				27. # of Personnel	
USFWS 281-286		Low Priority				2-3	
		LOW FIIOTILY				2-3	
28. Booming Strategy I	Recomendation						
		100					3
E .							
12 ()					22.50		111
						The state of the s	
		100					
	La Carrie				117712		
TO THE OWNER OF					The same		
		24					983

29. Prepared By: 30.Reveiwed by (PSC): 31. Reveiwed by (OSC):

Assignment List ICS 204 OS (Geographic Response Plan) Updated: 08 January 2009

1. Incident N	ame		2. Operationa	al Period (Dat	e/Time)	Assignment List ICS 204-OS	
3. Branch				4. Division/G	roup		100 201 00
·	s Personnel as Section Chief Branch Director Group Supervisor			Affiliation	Contact #(s)		
	s Assigned This Pe	riod			"X" indi	cates 204a att	achment with special instructions
	ce Identifier		ader	Contac	t Info #	# or Persons	Reporting info/Notes/Remarks
1100001	oo idoniinoi	200		Contac		<i>"</i> 61 1 6166116	responding inner/reces, remaine 🔻
7. Assignme Boom to pi	nts rotect mouth of c	ove east	of Patrick Ba	ayou.		•	
					quent vesse	el movemen	t/vessel wake and submerged
object.	•						· ·
8. Site #	9. Quad Name		10. NOAA Ch	nart #	11. TGLO At	las Page #	12. County
9 L	La Porte		11329		27		Harris
13. Site Info	rmation				•		14. Latitude
							29-44-19 N
							15. Longitude
Entrance is	s located on the	south side	of Buffalo I	Bayou east	of Patrick E	Bayou.	095-06-30 W
16. Closest E			17. Distance			18. Boat Typ	e
River Terra			3.6 NM	-		Work Boat	
19. Direction	s From Sector Hou	ston-Galve	ston			•	20. Closest Airport
							La Porte Municipal Airport
	north to IH-10 east ic boat ramp.	: - turn righ	t on S Sheldo	on Rd - turn I	eft onto Marl	ket St - Turn	21. Closest Helispot La Porte Municipal Airport
	Contact Numbers		23. Resource	es at Risk			24. Width of Inlet
	713-671-5100		Atlas Priority:				60'
	281-470-6597		Low Priority				25. Water depth
TCEQ	512-463-7727		Environmenta				1'
RCC	713-869-5001		Low Priority	V			26. Current < 1/2 knot
TPWD	281-534-0130		Economic:	,			27. # of Personnel
USFWS	281-286-8282		Low Priority	V			2-3
	Strategy Recomen	dation		,			
	, cu.egyeee.						
			4				
			**				
		1 33	4				A STATE OF THE STA
			1				

29. Prepared By: 30.Reveiwed by (PSC): 31. Reveiwed by (OSC):

Assignment List ICS 204 OS (Geographic Response Plan) Updated: 08 January 2009

1. Incident Name 2. Operati				onal Period (Date/Time)			Assignment List ICS 204-OS
3. Branch				4. Division/G	iroup		100 20 : 00
5. Operation		Name			Affiliation		Contact #(s)
Operation	ns Section Chief						
Division /O	Branch Director						
	roup Supervisor				#3/# ' P		
	S Assigned This F						achment with special instructions
Resour	ce Identifier	Lea	ader	Contac	t Info #	# or Persons	Reporting info/Notes/Remarks 🔻
				<u> </u>		 	
7. Assignme	nts						
.							
Boom to pi	otect mouth of	Patrick Bay	/OU				
				n due to fre	guent vesse	el movemen	t/vessel wake and submerged
object.					90.01.11.10001		a recess mane and easine gea
8. Site #	9. Quad Name		10. NOAA CI	hart #	11. TGLO At	las Page #	12. County
9M	La Porte		11329		27	3	Harris
13. Site Info	rmation			•			14. Latitude
							29-44-17 N
							15. Longitude
Entrance is	s located on the	south side	of Buffalo	Bayou sout	h of Jacinto	port.	095-06-40 W
16. Closest E	Boat Ramp		17. Distance	From Ramp		18. Boat Type	e
River Terra			3.8 NM			Work Boat	
19. Direction	s From Sector Ho	ouston-Galve	ston				20. Closest Airport
							La Porte Municipal Airport
	north to IH-10 ea	st - turn righ	t on S Sheld	on Rd - turn I	eft onto Marl	ket St - Turn	21. Closest Helispot
	ic boat ramp.						La Porte Municipal Airport
	Contact Numbers		23. Resource				24. Width of Inlet
USCG	713-671-5100		Atlas Priority:				340'
TGLO	281-470-6597		Low Priorit	•			25. Water depth
TCEQ	512-463-7727		Environmenta				6'
RCC	713-869-5001		Low Priorit	:y			26. Current < 1/2 knot
TPWD	281-534-0130		Economic:				27. # of Personnel
USFWS							2-3
28. Booming	Strategy Recom	endation					
						_	



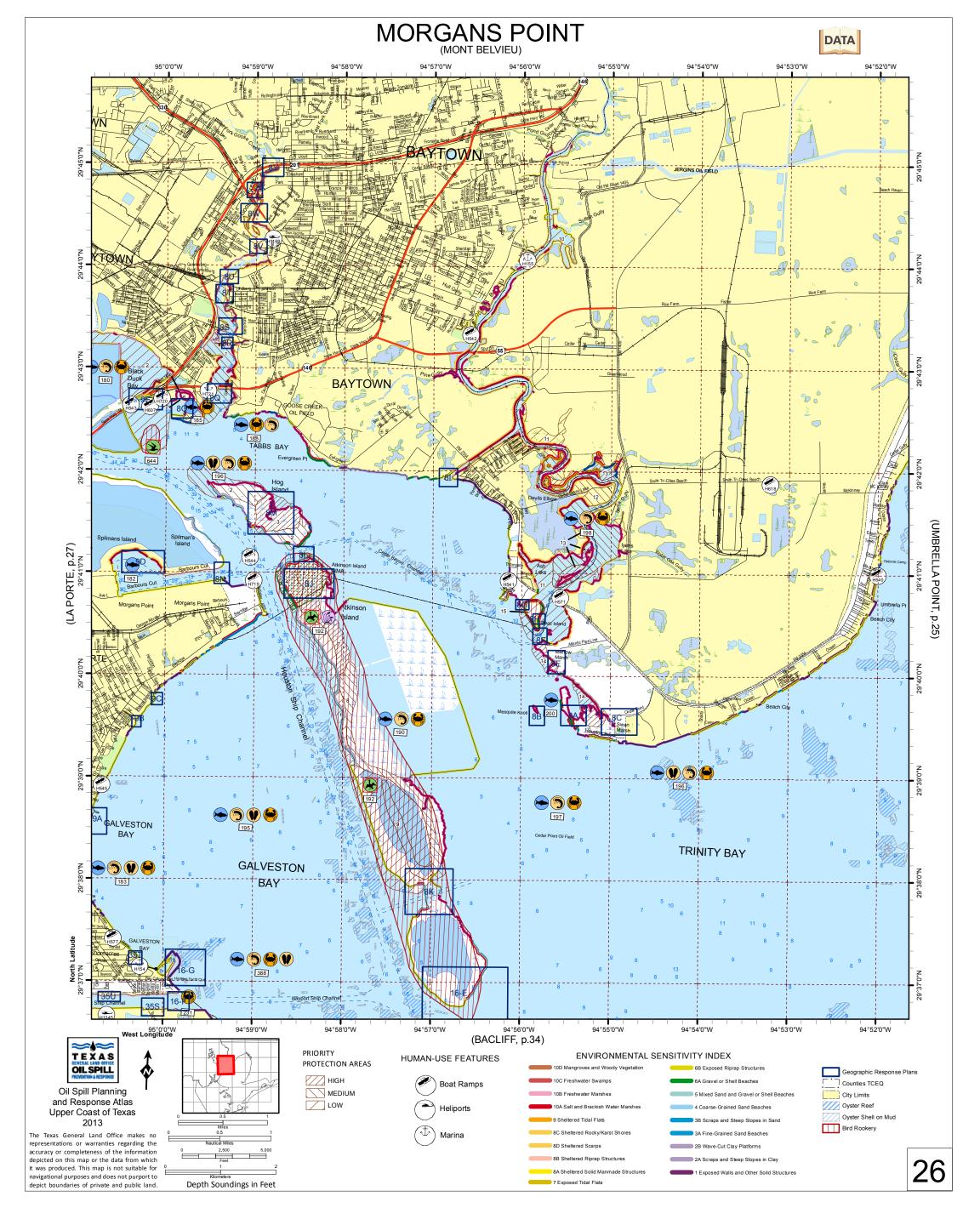




30.Reveiwed by (PSC):

ICS 204 OS (Geographic Response Plan) 29. Prepared By: 31. Reveiwed by (OSC):

Updated: 25 February 2009 Assignment List



Map #26

MORGANS POINT

IVICIN	O/ trad i O	I V I		IVIGE	<u> </u>
		HUMAN USE RE	SOURCES		
Boat Ramp	os				
RARNUM	NAME				
H541 H542 H571 H618 H719 H721	Thompson's Roseland Park Crawley's Bait Camp H221 Mary's Bait Camp Bayland Park				
Heliports					
RARNUM	MANAGER		PHONE		
H1169	Rod Seidel		(713) 420-8600		
Marinas					
RARNUM	NAME	ADDRESS	PHONE		
H155	Baytown Marina	1512 1/2 Jones Bavtown	(713) 427-1997		

				BIOLOG	ICAL	. RI	ESC	OUF	RCE	ES								
Birds																		
RARNUM	NAME	S/F	T/E	CONCEN		М									NESTING	LAYING	HATCHING	FLEDGING
192	American white pelican				ХХ											-	-	-
	Olivaceous cormorant	_	_												JAN-JUL	JAN-JUL	JAN-JUL	FEB-AUG
404	Brown pelican	F	E												APR-AUG	APR-AUG	APR-AUG	APR-SEP
194	Brown pelican	F	Е		XX										APR-AUG	APR-AUG	APR-AUG	APR-SEP
	American white pelican				^ ^	^	^	^	^ /	` ^	. ^		^	^	-	-	-	-
Fish																		
RARNUM	NAME	S/F	T/E	CONCEN	J F	М	Α	М	JJ	J A	S	0	N	D	SPAWNING	LARVAL/JUV		
185	Sand seatrout				ХХ											MAR-DEC		
	Spot														NOV-FEB	NOV-FEB		
	Spotted seatrout														JAN-DEC	JAN-DEC		
	Red drum														AUG-NOV	SEP-DEC		
188	Red drum														AUG-NOV	SEP-DEC		
	Gulf menhaden Spotted seatrout														NOV-FEB JAN-DEC	DEC-MAR JAN-DEC		
	Sand seatrout				XX											MAR-DEC		
190	Sand seatrout				χχ											MAR-DEC		
I	Gulf menhaden														NOV-FEB	DEC-MAR		
	Black drum														JAN-APR	JUL-MAR		
	Red drum				ХХ	Χ	Χ	Χ	X X	X X	X	Χ	Χ	Χ	AUG-NOV	SEP-DEC		
	Striped mullet														NOV-JAN	DEC-FEB		
	Atlantic croaker			HIGH	ХХ											APR-OCT		
	Sheepshead														MAR-MAY	MAR-AUG		
195	Gulf menhaden														NOV-FEB	DEC-MAR		
	Sand seatrout Atlantic croaker				X X X X											MAR-DEC APR-OCT		
	Striped mullet														- NOV-JAN	DEC-FEB		
196	Southern flounder				XX											OCT-DEC		
. , 0	Atlantic croaker				XX											APR-OCT		
197	Atlantic croaker			HIGH	хх											APR-OCT		
	Sand seatrout				ХХ	Χ	Χ	Χ	X X	K X	X	X	Χ	Χ	-	MAR-DEC		
	Sheepshead														MAR-MAY	MAR-AUG		
	Gulf menhaden														NOV-FEB	DEC-MAR		
	Red drum														AUG-NOV	SEP-DEC		
	Striped mullet Southern flounder					X									NOV-JAN	DEC-FEB OCT-DEC		
	Spotted seatrout														JAN-DEC	JAN-DEC		
	Hardhead catfish														MAY-SEP	JUN-OCT		
	Spot														NOV-FEB	NOV-FEB		
198	Sheepshead minnow														MAR-OCT	MAR-DEC		
	Gulf menhaden			HIGH											NOV-FEB	DEC-MAR		
	Southern flounder				ХХ											OCT-DEC		
	Striped mullet														NOV-JAN	DEC-FEB		
	Black drum														JAN-APR	JUL-MAR		
	Red drum Atlantic croaker				XX										AUG-NOV	SEP-DEC APR-OCT		
	Gizzard shad				XX											- AFK-001		
200	Gizzard shad				XX											_		
					. •	-	-		•		- '			-				
Shellfish																		
RARNUM	NAME	S/F	T/E	CONCEN												LARVAL/JUV		
185	Brown shrimp														NOV-MAR	FEB-JUN		
188	Blue crab														APR-JUL	MAY-AUG		
	Grass shrimp					X										-		
100	Brown shrimp														NOV-MAR	FEB-JUN		
190	Blue crab Brown shrimp														APR-JUL NOV-MAR	MAY-AUG FEB-JUN		
	White shrimp														MAY-OCT	MAY-OCT		
	WHITE SHITTIN				\wedge	Λ	Λ	Λ_	$^{\prime}$	\ ^	\sim	\wedge	_	Λ	INIT I TOUT	INITA I -OC I		

MORGANS POINT CONTINUED

		BIOL	OGICAL	RESOU	IRCES CONT.		
Shellfish	Continued						
RARNUM	NAME S/F	T/E CONCE	NJFN	1 A M	JJASOND	SPAWNING	LARVAL/JUV.
193	Brown shrimp		X X X	XX	X X X X X X X	NOV-MAR	FEB-JUN
195	Brackishwater clam		X X X	XX	X X X X X X X	-	-
	Brown shrimp		X X X	XX	X X X X X X X	NOV-MAR	FEB-JUN
	White shrimp		X X X	XX	X X X X X X X	MAY-OCT	MAY-OCT
	American oyster (eastern)		X X X	XX	X X X X X X X	MAR-JUL	APR-JUL
	Blue crab		X X X	XX	X X X X X X X	APR-JUL	MAY-AUG
196	American oyster (eastern)		X X X	XX	X X X X X X X	MAR-JUL	APR-JUL
	Brown shrimp		X X X	XX	X X X X X X X	NOV-MAR	FEB-JUN
	Blue crab		X X X	XX	X X X X X X X	APR-JUL	MAY-AUG
197	Blue crab	HIGH	I X X X	XX	X X X X X X X	APR-JUL	MAY-AUG
	White shrimp	HIGH	I X X X	XX	X X X X X X X	MAY-OCT	MAY-OCT
	Brown shrimp	HIGH	I X X X	XX	X X X X X X X	NOV-MAR	FEB-JUN
198	White shrimp		X X X	XX	X X X X X X X	MAY-OCT	MAY-OCT
	Blue crab		X X X	XX	X X X X X X X	APR-JUL	MAY-AUG
Plants/C	ommunities						
RARNUM	NAME S/F	T/E					
192	Smooth cordgrass		-				·

MORGANS POINT Map # 26

Polygon #	Priority	Description: what organism(s), habitat(s)?
1	Medium	Goose Lake - Upper Tabbs Bay. Nursery (high), bird habitat (medium).
2	Medium	(a) Northwestern and (b) southeastern Hog Island. Bird habitat (high), nursery (high).
3	High	Central Hog Island. Wetlands (high), nursery (high), bird habitat (high).
4	High	Northwestern Atkinson Island. Bird habitat (high). Atkinson Island WMA.
5	High	Northeastern Atkinson Island. Wetlands (high), bird habitat (high), nursery (high). Atkinsons Island WMA.
6	Low	Western Atkinson Island. Bird habitat (high).
7	High	Central eastern Atkinson Island. Wetlands (high), bird habitat (high), nursery (high).
8	Medium	Southeastern Atkinson Island. Bird habitat (high), nursery (high).
9	Medium	Central southern Atkinson Island. Wetlands (high), bird habitat (high).
10	Low	Basin at Sutton Gully and Cedar Bayou. Nursery (high).
		edar Bayou Diversion Canal, (2) mouth of Ash Lake, and (3) mouth of Cedar Bayou can be boomed to protect spills in Galveston Bay.
11	Low	(1) Ash Lake and mouth of Cedar Bayou, (2) Cedar Bayou north of Devils Elbow and Cedar Bayou Diversionary Canal. Nursery (high).
12	Medium	Lower Cedar Bayou: Ijams Lake, Negrohead Lake, Devils Elbow. Nursery (high), bird habitat (high).
13	High	Cedar Bayou meanders (a - e). Wetlands (high), nursery (high), bird habitat (high).
14	High	(a) Marrow Marsh and (b) Swan Marsh. Wetlands (high), nursery (high), bird habitat (high).
15	Low	Boaz Island. Nursery (high), rookery (low).
16	Low	(a) Northeastern and (b) southeastern Black Duck Bay. Nursery (high). Continued on La Porte quad.

1. Incident I	Name		2. Operation	al Period (Date	e/Time)		Assignment List ICS 204-OS			
3. Branch			•	4. Division/G	roup					
-	ns Personnel ons Section Chief	Name			Affiliation		Contact #(s)			
	Branch Director									
	Group Supervisor									
	es Assigned This F						tes 204a attachment with special instructions			
Resou	irce Identifier	Lea	ader	Contac	t Info #	# or Persons	Reporting info/Notes/Remarks 🔻			
						1				
7. Assignments Boom cut between Atkinson Island near marke			ear marker	82.						
Safety Note				<u></u>						
	erating along th	e Ship Cha	nnel should	expect wak	e action as	vessels pas	SS.			
8. Site # 9. Quad Name 10. NOA/				art #	11. TGLO At	las Page#	12. County			
			11326, 113	327, 11338	26		Harris			
13. Site Information							14. Latitude			
							29-38-43N			
Atkinson I	sland north of r	narker 82.					15. Longitude 94-52-48W			
16. Closest			17. Distance	From Ramp		18. Boat Type	9			
Sylvan Be	•		3.3NM	•			low hull (<2' draft)			
19. Direction	ns From MSO Hou	ston-Galvest	on				20. Closest Airport			
Take I-61	0 south to 225 E	East. Follow	225 East to	South 146	. Follow 14	46 South to	Ellington Field Airport EFD			
	Parkway. Take				d, then turr	n right.	21. Closest Helispot			
Sylvan Be	ach boat ramp	is immediat	ely on the le	eft.			Ellington Field Airport EFD			
	Contact Numbers		23. Resource	es at Risk			24. Width of Inlet			
USCG	713-671-5100		Atlas Priority:				1800'			
TGLO	281-470-6597		Low				25. Water depth			
TCEQ	512-463-7727		Environmenta							
RCC	713-869-5001		Habitat for	Fish			26. Current Medium			
TPWD	281-534-0130		Economic:				27. # of Personnel			
USFWS	281-286-8282		Along the I	Houston Shi	p Channel		4-6			
	Booming Strategy Recomendation om to protect sensitive marshes.									
12		B								
29. Prepared B	THE STATE OF THE S		30.Reveiwed by	v (PSC):		31. Reveiwed by	y (OSC):			
Assignment List ICS 204 OS (Geographic				Response Pl	an)	U	pdated: 11 April 2006			

1. Incident I	Name		2. Operation	al Period (Dat	e/Time)		Assignment List ICS 204-OS		
3. Branch			•	4. Division/G	roup		100 =01 00		
	ns Personnel ons Section Chief	Name			Affiliation		Contact #(s)		
District on the	Branch Director								
	Group Supervisor				#3 <i>/</i> # 1 #				
	es Assigned This F urce Identifier		242	Conto	"X" indi	# or Persons	achment with special instructions Reporting info/Notes/Remarks		
Resol	arce identifier	Lea	ader	Contac	i inio #	# Of Persons	Reporting into/Notes/Remarks		
7. Assignments						•			
Boom to p	orotect Swan Ma	arsh West o	of Houston F	Point.					
Safety Note	: :								
8. Site #	9. Quad Name		10. NOAA Ch	art #	11. TGLO Atl	as Page#	12. County		
26B	Morgans Poin	t	11326, 113	327, 11338	26	_	Chambers		
13. Site Information							14. Latitude		
							29-39-53N		
							15. Longitude		
Swan Ma	rsh West of Hou	iston Point	•				94-55-13W		
	Boat Ramp		17. Distance	From Ramp		18. Boat Type			
	Bait Camp		1.66 NM			Small Shal	low hull (<2' draft)		
19. Directio	ns From MSO Hou	ston-Galvest	on				20. Closest Airport Ellington Field Airport EFD		
North on I	I-610, exit East	on I-10 ther	n south on F	M 1405 to	dead end th	en right.	21. Closest Helispot Ellington Field Airport EFD		
22. Trustee/	Contact Numbers		23. Resourc	es at Risk			24. Width of Inlet		
USCG	713-671-5100)	Atlas Priority:				N/A		
TGLO	281-470-6597		High				25. Water depth		
TCEQ	512-463-7727		Environmenta	ıl:			N/A		
RCC	713-869-5001		N/A				26. Current Slow		
TPWD	281-534-0130		Economic:				27. # of Personnel		
USFWS	281-286-8282		N/A				2-4		
	g Strategy Recom- protect sensitive								
	NOT THAN SHAWN (AND STATE OF THE								
29. Prepared	Ву:		30.Reveiwed by	(PSC):		31. Reveiwed by	y (OSC):		
Assignment List ICS 204 OS (Geographic Response				Response PI	an)	U	pdated: 11 April 2006		

1. Incident I	Name		2. Operation	al Period (Dat	e/Time)		Assignment List ICS 204-OS		
3. Branch			•	4. Division/G	roup				
	ns Personnel ons Section Chief	Name			Affiliation		Contact #(s)		
	Branch Director								
	Group Supervisor								
	es Assigned This F			Canta		# or Persons	achment with special instructions Reporting info/Notes/Remarks		
Resol	urce Identifier	Lea	ader	Contac	t Info #	# or Persons	Reporting info/Notes/Remarks		
7. Assignm	7. Assignments					•	<u> </u>		
Boom to p	protect Houston	Point (Ced	ar Point) ma	arsh area.					
Safety Note) :	·							
8. Site #	9. Quad Name		10. NOAA Ch	nart #	11. TGLO At	as Page#	12. County		
10:1107				327, 11338		J	Chambers		
13. Site Information							14. Latitude		
							29-39-22N		
							15. Longitude		
Houston F	Point marsh are	a.				-	94-55-25W		
16. Closest	•			From Ramp		18. Boat Type			
	Bait Camp		1.66 NM			Small Shal	low hull (<2' draft)		
19. Directio	ns From MSO Hou	ston-Galvest	on				20. Closest Airport Ellington Field Airport EFD		
North on	I-610, exit East	on I-10 ther	n south on F	- M 1405 to 0	dead end th	en right.	21. Closest Helispot Ellington Field Airport EFD		
	Contact Numbers		23. Resourc	es at Risk			24. Width of Inlet		
USCG	713-671-5100)	Atlas Priority:				N/A		
TGLO	281-470-6597		High				25. Water depth		
TCEQ	512-463-7727		Environmenta				N/A		
RCC	713-869-5001		Fish Habita	at			26. Current Medium		
TPWD	281-534-0130		Economic:				27. # of Personnel		
USFWS	281-286-8282		N/A				2-6		
	g Strategy Recom- protect sensitive								
) Generales (C)	Min Taxa Sanora Land Mina EMI	100	3						
29. Prepared By: 30.Reveiwed by (PSC):						31. Reveiwed by (OSC):			
Assignment List ICS 204 OS (Geographic				Response Pl	an)	U	pdated: 11 April 2006		

1. Incident	Name		2. Operationa	al Period (Dat	e/Time)		Assignment List ICS 204-OS
3. Branch				4. Division/G	roup		
5. Operatio	ns Personnel	Name			Affiliation		Contact #(s)
Operation	ons Section Chief						
	Branch Director						
	Group Supervisor						
	es Assigned This F					achment with special instructions	
Reso	urce Identifier	Lea	nder	Contac	ct Info #	# or Persons	Reporting info/Notes/Remarks
						+	
						+	
						1	
						1	
7. Assignm	ents	!					
<u> </u>	protect Mosquite	e Knoll Islan	d.				
Safety Note	e:						
8. Site #	9. Quad Name		10. NOAA Ch	art #	11. TGLO At	las Page#	12. County
26D	Morgans Poin	nt	11326, 113	27, 11338	26		Chambers
13. Site Information							14. Latitude
							29-39-22N
							15. Longitude
	Knoll Island.						94-55-25W
	Boat Ramp		17. Distance	From Ramp		18. Boat Typ	
	Bait Camp		1.66 NM			Small Shal	llow hull (<2' draft)
19. Directio	ons From MSO Hoบ	iston-Gaivesto	on				20. Closest Airport Ellington Field Airport EFD
							21. Closest Helispot
North on	I-610, exit East	on I-10 then	south on F	M 1405 to	dead end th	nen right.	Ellington Field Airport EFD
22. Trustee	/Contact Numbers		23. Resource	es at Risk			24. Width of Inlet
USCG	713-671-5100)	Atlas Priority:				N/A
TGLO	281-470-6597	7	High				25. Water depth
TCEQ	512-463-7727		Environmenta				N/A
RCC	713-869-5001		Fish Habita	at			26. Current Medium
TPWD	281-534-0130		Economic:				27. # of Personnel
USFWS	281-286-8282		N/A				2-6
28. Boomin	ng Strategy Recom	endation					
Boom to	protect sensitive	marshes.					
. 3							
1			41				
			: 1				
	#-49T						
			4 0				
29. Prepared	Ву:	9,43mi	30.Reveiwed by	(PSC):		31. Reveiwed b	y (OSC):
Assignment List ICS 204 OS (Geographic Response Plan)				lan)	U	Jpdated: 11 April 2006	

1. Incident	Name		2. Operationa	al Period (Dat	e/Time)		Assignment List ICS 204-OS			
3. Branch				4. Division/G	iroup					
_	ns Personnel	Name			Affiliation		Contact #(s)			
	Branch Director									
Division/	Group Supervisor									
6. Resource	es Assigned This F	Period			"X" ind	icates 204a atta	achment with special instructions			
Reso	urce Identifier	Lea	ader	Contac	ct Info #	# or Persons	Reporting info/Notes/Remarks ▼			
7. Assignments Boom to protect Marrow Marsh east of										
		Marsh east	of Cedar Ba	ayou entran	ce.					
Safety Note	e:									
8. Site #	9. Quad Name		10. NOAA Ch	art #	11. TGLO At	las Page#	12. County			
26E	Morgans Poin	nt	11326, 113	327, 11338	26		Chambers			
13. Site Information					•		14. Latitude			
							29-40-19N			
							15. Longitude			
Marrow M	1arsh						94-55-53W			
	Boat Ramp		17. Distance	From Ramp		18. Boat Type				
	Bait Camp		0.5 NM			Small Shal	low hull (<2' draft)			
19. Directio	ns From MSO Hoบ	ston-Galvest	on				20. Closest Airport Ellington Field Airport EFD			
							21. Closest Helispot			
North on	I-610, exit East	on I-10 ther	south on F	M 1405 to	dead end th	nen right.	Ellington Field Airport EFD			
	/Contact Numbers		23. Resource				24. Width of Inlet			
USCG	713-671-5100)	Atlas Priority:				N/A			
TGLO	281-470-6597	7	High				25. Water depth			
TCEQ	512-463-7727	7	Environmenta	ıl:			N/A			
RCC	713-869-5001		Fish Habita	at			26. Current Medium			
TPWD	281-534-0130)	Economic:				27. # of Personnel			
USFWS	281-286-8282	2	N/A				2-6			
	g Strategy Recom									
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \										
Copyright LCS	2001 Year General Canel Office, ESMS	8	\$6.							
29. Prepared By: 30.Reveiwed by (PSC):						31. Reveiwed by (OSC):				
Assignment List ICS 204 OS (Geographic Response Plan				an)	U	pdated: 11 April 2006				

1. Incident	Name		2. Operationa	al Period (Dat	e/Time)		Assignment List ICS 204-OS		
3. Branch				4. Division/G	Froup				
-	ns Personnel	Name			Affiliation		Contact #(s)		
	Branch Director								
Division/	Group Supervisor								
6. Resource	es Assigned This I	Period			"X" indi	cates 204a atta	achment with special instructions		
Resou	urce Identifier	Lea	ader	Contac	ct Info #	# or Persons	Reporting info/Notes/Remarks ▼		
7. Assignments						1			
Boom ent	trance to Cedar	Bayou.							
Safety Note	e:								
8. Site #	9. Quad Name		10. NOAA Ch	nart #	11. TGLO At	las Page#	12. County		
1.0.16				327, 11338	26	Chambers			
13. Site Information				·	•		14. Latitude		
							29-40-26N		
							15. Longitude		
Entrance	to Cedar Bayou	East of Bo	az Island.				94-55-50W		
16. Closest	Boat Ramp		17. Distance	From Ramp		18. Boat Type			
	Bait Camp		0.5 NM			Small Shal	low hull (<2' draft)		
19. Directio	ns From MSO Hou	uston-Galvest	on			20. Closest Airport Ellington Field Airport EFD			
							21. Closest Helispot		
North on	I-610, exit East	on I-10 ther	south on F	M 1405 to	dead end th	en riaht.	Ellington Field Airport EFD		
	/Contact Numbers		23. Resource				24. Width of Inlet		
USCG	713-671-5100		Atlas Priority:				750'		
TGLO	281-470-6597		Low				25. Water depth		
TCEQ	512-463-7727		Environmenta	al:			16'		
RCC	713-869-5001		Nursery an				26. Current Slow		
TPWD	281-534-0130		Economic:	,			27. # of Personnel		
USFWS	281-286-8282		N/A				4-6		
	g Strategy Recom	endation							
. 3									
Sommer (C)	Difference and Star Asia		2 3						
29. Prepared By: 30.Reveiwed by (PSC):					31. Reveiwed by (OSC):				
Assignment List ICS 204 OS (Geographic Response Plan)					lan)		lpdated: 11 April 2006		

1. Incident I	Name		2. Operationa	al Period (Dat	e/Time)		Assignment List ICS 204-OS
3. Branch				4. Division/G	iroup		
-	ns Personnel ons Section Chief Branch Director	Name			Affiliation		Contact #(s)
Division/0	Group Supervisor						
	es Assigned This P	Period			"X" indi	cates 204a atta	achment with special instructions
	urce Identifier		ader	Contac	ct Info #	# or Persons	
7. Assignme	ents						<u> </u>
	orotect Boaz Isla	and.					
Safety Note) :						
8. Site #	9. Quad Name		10. NOAA Ch		11. TGLO At	las Page#	12. County
26G	Morgans Poin	t	11326, 113	327, 11338	26		Harris
13. Site Info	ormation						14. Latitude 29-40-39N
							29-40-39N 15. Longitude
Boaz Islar	nd						94-56-01W
16. Closest			17. Distance	From Ramp		18. Boat Type	
	Bait Camp		0.5 NM				low hull (<2' draft)
19. Direction	ns From MSO Hou	ston-Galvest	on				20. Closest Airport Ellington Field Airport EFD
North on I	l-610, exit East o	on I-10 ther	n south on F	M 1405 to	dead end th	nen right.	21. Closest Helispot Ellington Field Airport EFD
22. Trustee/ USCG	Contact Numbers 713-671-5100		23. Resource Atlas Priority:	es at Risk			24. Width of Inlet N/A
TGLO	281-470-6597		Low				25. Water depth
TCEQ	512-463-7727		Environmenta	ıl:			2'
RCC	713-869-5001		Nursery an				26. Current SlOW
TPWD	281-534-0130)	Economic:				27. # of Personnel
USFWS	281-286-8282		N/A				4-6
	g Strategy Recome protect Boaz Isla						
. (0						
)			· 3				
29. Prepared I	2009 Teams General Land Office, EMS 8	- 0.4366	30.Reveiwed by	(PSC)·		31. Reveiwed b	v (OSC):
Assignment List ICS 204 OS (Geographic Response Plan)					an)		p (030). pdated: 11 April 2006

1. Incident	Name		2. Operational	l Period (Dat	e/Time)		Assignment List ICS 204-OS			
3. Branch				4. Division/G	iroup					
-	ns Personnel ons Section Chief	Name			Affiliation		Contact #(s)			
	Branch Director									
Division/	Group Supervisor									
6. Resource	es Assigned This I	Period			"X" indi	cates 204a atta	achment with special instructions			
Resou	urce Identifier	Lea	ader	Contac	ct Info #	# or Persons	Reporting info/Notes/Remarks ▼			
7. Assignments										
Boom ent	rance to Cedar	Bayou west	of Boaz Isla	ınd.						
Safety Note	9 :									
8. Site #	9. Quad Name		10. NOAA Cha	art #	11. TGLO Atl	as Page#	12. County			
				27, 11338	26		Harris			
13. Site Information					•		14. Latitude			
							29-40-39N			
							15. Longitude			
Entrance	to Cedar Bayou	west of Bo	az Island.				94-56-00W			
	Boat Ramp		17. Distance I	From Ramp		18. Boat Type				
	Bait Camp		0.5 NM			Small Shal	low hull (<2' draft)			
19. Directio	ns From MSO Hoเ	ıston-Galvest	on				20. Closest Airport Ellington Field Airport EFD			
							21. Closest Helispot			
North on	I-610, exit East	on I-10 ther	south on FI	M 1405 to	dead end th	en right.	Ellington Field Airport EFD			
22. Trustee	Contact Numbers		23. Resource	s at Risk			24. Width of Inlet			
USCG	713-671-5100)	Atlas Priority:				100'			
TGLO	281-470-6597	7	Low				25. Water depth			
TCEQ	512-463-7727	7	Environmental	:			6'			
RCC	713-869-5001	l	Nursery				26. Current Slow			
TPWD	281-534-0130)	Economic:				27. # of Personnel			
USFWS	281-286-8282	2	N/A				4-6			
	ing Strategy Recomendation protect Boaz Island.									
Source de Co	Alle Taza Sasseri and Wina, SMI	100	2 3							
29. Prepared By: 30.Reveiwed by (PSC):						31. Reveiwed by (OSC):				
Assignment List ICS 204 OS (Geographic Response Plan)					an)	U	pdated: 11 April 2006			

1. Incident N	lame		2. Operationa	al Period (Dat	e/Time)	Assignment List ICS 204-OS	
3. Branch				4. Division/G	iroup		100 20 1 00
I -	ns Personnel ns Section Chief	Name			Affiliation		Contact #(s)
	Branch Director						
Division/0	Group Supervisor						
6. Resource	s Assigned This F	Period			"X" indi	cates 204a atta	achment with special instructions
Resou	rce Identifier	Lea	ader	Contac	ct Info #	# or Persons	Reporting info/Notes/Remarks ▼
7. Assignme	ents						
<u> </u>			\A/'! !!'¢				
	rotect Atkinson	Island and	Wildlife Ma	nagement /	Area.		
Safety Note		01 : 01					
	erating along th	e Ship Cha		•	1		T
8. Site #	9. Quad Name		10. NOAA Ch		11. TGLO At	las Page#	12. County
261	Morgans Poin	11326, 113	327, 11338	26	Harris		
13. Site Info	ormation						14. Latitude
							29-41-14N
///:/= :t = //		a af A41:1:aa	اممامان				15. Longitude 94-58-29W
	anagement Are	a of Atkinso	I			I	
16. Closest Sylvan Be	•		17. Distance 3.0 NM	From Ramp		18. Boat Type	
_	ns From MSO Hou	oton Colvect				Johnan Shai	low hull (<2' draft)
	0 south to 225 E			South 146	Eollow 1	16 South to	20. Closest Airport Ellington Field Airport EFD
	Parkway. Take						·
	ach boat ramp				iu, ili c ii iuli	rrigitt.	21. Closest Helispot Ellington Field Airport EFD
	Contact Numbers		23. Resource				24. Width of Inlet
USCG	713-671-5100		Atlas Priority:	os at misk			N/A
TGLO	281-470-6597		High				25. Water depth
TCEQ	512-463-7727		Environmenta	d:			N/A
RCC	713-869-5001				, upland/we	tland veg	26. Current Medium
TPWD	281-534-0130		Economic:	arving birdo	, apiana, wo	tiaria vog.	27. # of Personnel
USFWS	281-286-8282		along the H	louston Shi	n Channel		4-6
	g Strategy Recom		along the r	10401011 0111	p Gridinion		. •
			edge spoil a	area on eas	t side of isla	and contains	s cuts that should be boomed to
	igration into the		3				
		- 3/4					
			The state of the s				
	THE RESERVE		(
			5				
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	FILE		. "				
The same of the		13					
1	The second	1					
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9		Jan Jan					
Course (C)	1008 Tease General Land Office, ESRE	1.44-					
29. Prepared E	3v:		30.Reveiwed by	(PSC):	<u> </u>	31. Reveiwed b	v (OSC):

ICS 204 OS (Geographic Response Plan)

Updated: 11 April 2006

Assignment List

1. Incident I	Name		2. Operation	al Period (Date	e/Time)		Assignment List ICS 204-OS	
3. Branch				4. Division/Group				
-	ns Personnel ons Section Chief	Name			Affiliation		Contact #(s)	
5	Branch Director							
	Group Supervisor							
	es Assigned This F					1	achment with special instructions	
Resou	urce Identifier	Lea	ader	Contac	t Info #	# or Persons	Reporting info/Notes/Remarks 🔻	
						<u> </u>		
7. Assignme	ents	ours Cut				<u>, </u>		
Safety Note								
		e Ship Chai	nnel should	expect wak	e action as	vessels pas	ss. Located in Security Zone.	
8. Site #	9. Quad Name		10. NOAA Ch	•	11. TGLO At		12. County	
26J	Morgans Poin	t		327, 11338			Harris	
13. Site Info	<u>. </u>			,			14. Latitude	
							29-41-02N	
							15. Longitude	
Barbours	Cut entrance.						94-59-16W	
16. Closest	Boat Ramp		17. Distance	From Ramp		18. Boat Type	9	
Sylvan Be	each .		3.0 NM	•			low hull (<2' draft)	
19. Directio	ns From MSO Hou	ston-Galvest	on				20. Closest Airport Ellington Field Airport EFD	
Take I-61	0 south to 225 E	East. Follow	225 East to	South 146	. Follow 14	46 South to	21. Closest Helispot	
Barbours	Cut Blvd. Left of	on Barbours	Cut Blvd to	terminal.			Ellington Field Airport EFD	
	Contact Numbers		23. Resourc				24. Width of Inlet	
USCG	713-671-5100)	Atlas Priority:				850'	
TGLO	281-470-6597	•	N/A				25. Water depth	
TCEQ	512-463-7727	•	Environmenta	al:			20'	
RCC	713-869-5001		N/A				26. Current N/A	
TPWD	281-534-0130)	Economic:				27. # of Personnel	
USFWS	281-286-8282	<u> </u>	Along the I	Houston Shi	p Channel		4-6	
	g Strategy Recom- prevent migration							
	-							
Opened Co.	TON Trans Ground Load Office, CMS		· •					
29. Prepared I	Ву:		30.Reveiwed by	,		31. Reveiwed by	y (OSC):	
Assignme	nt List	ICS 204 OS	(Geographic	Response Pla	an)	U	pdated: 11 April 2006	

1. Incident N	lame		2. Operation	al Period (Date	e/Time)		Assignment List ICS 204-OS	
3. Branch				4. Division/G	roup			
5. Operation Operatio	ns Personnel	Name			Affiliation		Contact #(s)	
	Branch Director							
Division/0	Group Supervisor							
	s Assigned This F	Period		1			achment with special instructions	
Resou	rce Identifier	Lea	ader	Contac	t Info #	# or Persons	Reporting info/Notes/Remarks	
						<u> </u>		
				-		+		
7. Assignme		nd Atkingor	lalanda			!		
	between Hog a	na Aikinsoi	1 15141105.					
Safety Note	: erating along th	e Shin Cha	nnel should	evnect wak	e action as	vessels nas	S.S.	
8. Site #	9. Quad Name	e Onlp Ona	10. NOAA Ch	•	11. TGLO At		12. County	
26K	Morgans Poin	t		327, 11338		ias Paye #	Harris	
13. Site Info			11020, 110	527, 11000	120		14. Latitude	
13. Site iiii	illation						29-41-12N	
							15. Longitude	
Cut betwe	en Hog and Atl	inson Islan	ds.				94-58-30W	
16. Closest			1	From Ramp		18. Boat Type		
Sylvan Be	•		3.0 NM			any		
	ns From MSO Hou	ston-Galvest					20. Closest Airport	
Take I-610	south to 225 E	East. Follow	225 East to	South 146	5. Follow 14		Ellington Field Airport EFD	
Fairmont I	Parkway. Take	Fairmont Pa	arkway Eas	t to dead en	d, then turr	n right.	21. Closest Helispot	
Sylvan Be	ach boat ramp	is immediat	ely on the le	eft.			Ellington Field Airport EFD	
22. Trustee/	Contact Numbers		23. Resourc	es at Risk			24. Width of Inlet	
USCG	713-671-5100)	Atlas Priority:				1150'	
TGLO	281-470-6597	•	High				25. Water depth	
TCEQ	512-463-7727	•	Environmenta	al:			14'	
RCC	713-869-5001		Habitat for	diving birds			26. Current Medium	
TPWD	281-534-0130)	Economic:				27. # of Personnel	
USFWS	281-286-8282		Along the I	Houston Shi	p Channel		4-8	
	strategy Recombetween Hog a		n Islands.					
	-							
Course CO.	ON TABLE SANCE (AND ONL), EM							
29. Prepared E	•		30.Reveiwed by	,		31. Reveiwed by		
Assignmen	nt List	ICS 204 OS	(Geographic	Response Pla	an)	U	pdated: 11 April 2006	

1. Incident N	ame		2. Operation	al Period (Date	e/Time)		Assignment List ICS 204-OS	
3. Branch				4. Division/G	roup		.00 20 . 00	
5. Operation Operation	s Personnel	Name			Affiliation		Contact #(s)	
	Branch Director							
-	Group Supervisor							
	s Assigned This F			1			achment with special instructions	
Resou	rce Identifier	Lea	ader	Contac	t Info #	# or Persons	Reporting info/Notes/Remarks	
						-		
7. Assignme	nts rotect Hog Islai	nd		ļ.				
Safety Note:		iu.						
	erating along the	e Ship Chai	nnel should	expect wak	e action as	vessels pas	SS.	
8. Site #	9. Quad Name	o omp oma	10. NOAA Ch		11. TGLO At		12. County	
26L	Morgans Poin	t		327, 11338		ido i age "	Harris	
13. Site Information				,			14. Latitude	
							29-41-17N	
							15. Longitude	
South end	of Hog Island.						94-58-26W	
16. Closest I	Boat Ramp		17. Distance	From Ramp		18. Boat Type	•	
Sylvan Bea	ach		3.0 NM			small vesse	el (<2'draft)	
	s From MSO Hou						20. Closest Airport	
	south to 225 E						Ellington Field Airport EFD	
	Parkway. Take		•		d, then turr	n right.	21. Closest Helispot	
_	ach boat ramp	is immediat					Ellington Field Airport EFD	
	Contact Numbers		23. Resource				24. Width of Inlet	
USCG	713-671-5100		Atlas Priority:				N/A	
TGLO TCEQ	281-470-6597		High Environments	Al-			25. Water depth	
RCC	512-463-7727 713-869-5001		Environmenta N/A	11.			N/A 26. Current Medium	
TPWD	281-534-0130		Economic:				27. # of Personnel	
USFWS	281-286-8282			Houston Shi	n Channel		4-6	
	Strategy Recom		Along the I	louston on	p Charmer		4-0	
Zo. Booming	ou diegy neconi	Sildation						
Boom to p	rotect sensitive	marshes.						
		-51						
			The same of the sa					
	THE RESERVE		•					
			5					
	T							
		7 3						
HARRIST		13						
			\					
7								
29. Prepared B	OR Tease General Land Office, ESRI	0.64ml	30.Reveiwed by	(PSC)·		31. Reveiwed by	v (OSC):	
Assignmen	•	ICS 204 OS		Response Pla	an)		pdated: 11 April 2006	

1. Incident I	Name		2. Operation	al Period (Dat	e/Time)		Assignment List ICS 204-OS	
3. Branch				4. Division/Group				
	ns Personnel ons Section Chief	Name			Affiliation		Contact #(s)	
	Branch Director							
Division/	Group Supervisor							
	es Assigned This F	eriod		•	"X" indi		achment with special instructions	
Resou	urce Identifier	Lea	ader	Contac	et Info #	# or Persons	Reporting info/Notes/Remarks 🔻	
7. Assignme	ents orotect intake ca	nal west of	Pay Oak U	orbor Bood				
Safety Note		ınai wesi oi	вау Оак п	arbor Roau	<u> </u>			
8. Site #	9. Quad Name		10. NOAA Ch	nart #	11. TGLO At	as Page#	12. County	
26M	Morgans Poin	t		327, 11338		ac rage "	Harris	
13. Site Info				· · · · · · · · · · · · · · · · · · ·	!		14. Latitude	
							29-41-56N	
							15. Longitude	
Cooling s	ystem intake ca	nal west of	Bay Oak Ha	arbor Road.			94-56-52W	
16. Closest	Boat Ramp		17. Distance	From Ramp		18. Boat Type	9	
Roseland			2.46 NM			small vesse	el (<2'draft)	
	ns From MSO Hou						20. Closest Airport	
	to Spur 330 So					•	Ellington Field Airport EFD	
	146 and Tri-City	/ Beach Ro	ad to Rosel	and Drive.	Right on Ro	seland	21. Closest Helispot	
Drive to ra							Ellington Field Airport EFD	
	Contact Numbers		23. Resource				24. Width of Inlet	
USCG	713-671-5100		Atlas Priority:				250'	
TGLO	281-470-6597		Low	•			25. Water depth	
TCEQ RCC	512-463-7727		Environmenta				8'	
TPWD	713-869-5001		Nursery Ar Economic:	ea			26. Current Slow 27. # of Personnel	
USFWS	281-534-0130 281-286-8282		N/A				4-6	
28. Boomin	g Strategy Recomporatect Cedar B	endation		ew Road.			 1 0	
		a wood of	HAMBERS					
Copyright (C)	2009 Tease Seneral Land Office, ESRI	5 9.6es	and a					
29. Prepared	•		30.Reveiwed by	, ,		31. Reveiwed by		
Assignme	nt List	ICS 204 OS	(Geographic	Response PI	an)	U	pdated: 11 April 2006	

1. Incident	Name		2. Operation	al Period (Dat	e/Time)		Assignment List ICS 204-OS		
3. Branch				4. Division/Group					
· -	ns Personnel ons Section Chief	Name			Affiliation		Contact #(s)		
	Branch Director								
-	Group Supervisor								
	es Assigned This F	1				achment with special instructions			
Resou	urce Identifier	Lea	Leader		Contact Info #		Reporting info/Notes/Remarks		
						-			
7. Assignm	ents	<u> </u>					<u> </u>		
	rance to Baylan	d Park Mar	ina.						
Safety Note	erating along th	e Shin Cha	nnel should	evnect wal	e action of	s vaccale no	ee.		
8. Site #	9. Quad Name	e Ship Cha	10. NOAA CI	•	11. TGLO A				
26N	Morgans Poin	ıt		327, 11338		lias Page #	12. County Harris		
13. Site Information				527, 11000	120		14. Latitude		
13. Site iiii	ormation						29-42-31N		
							15. Longitude		
 Bayland F	Park Marina						95-00-00W		
16. Closest			17 Distance	From Ramp		18. Boat Type			
	ldy" McBride		0.84 NM	i i i i i i i i i i i i i i i i i i i			el (<2'draft)		
	ns From MSO Hou	ston-Galvest				Jonnan 1000	20. Closest Airport		
							Ellington Field Airport EFD		
I-10 East	to Spur 330 Sou	uth. Spur 3	30 South to	Highway 14	46 South.	Highway	21. Closest Helispot		
	n to Business 14					3 ,	Ellington Field Airport EFD		
	Contact Numbers		23. Resourc				24. Width of Inlet		
USCG	713-671-5100		Atlas Priority:				800'		
TGLO	281-470-6597	,	N/A				25. Water depth		
TCEQ	512-463-7727	•	Environmenta	al:			5'		
RCC	713-869-5001		N/A				26. Current N/A		
TPWD	281-534-0130)	Economic:				27. # of Personnel		
USFWS	281-286-8282	<u>)</u>	N/A				4-6		
	g Strategy Recom- protect sensitive								
29. Prepared	By:	8.3ml	30.Reveiwed by	y (PSC):		31. Reveiwed b	y (OSC):		
Assignme	-	ICS 204 OS		Response Pl	an)		pdated: 11 April 2006		

1. Incident I	Name		2. Operationa	al Period (Dat	e/Time)		Assignment List ICS 204-OS		
3. Branch				4. Division/Group					
-	ns Personnel ons Section Chief	Name		ı	Affiliation		Contact #(s)		
	Branch Director								
Division/	Group Supervisor								
6. Resource	es Assigned This F	Period			"X" indi	icates 204a atta	achment with special instructions		
Resou	urce Identifier	Lea	_eader Contact Info #			# or Persons	Reporting info/Notes/Remarks ▼		
7. Assignments									
	rance to Goose	Creek at B	usiness 146	6.					
Safety Note Crews op		e shoreline	of the Hous	ton Ship Cl	hannel shou	uld expect w	ake action as vessels pass.		
8. Site #	9. Quad Name		10. NOAA Ch		11. TGLO At		12. County		
260	Morgans Poin	nt	11326, 113	327, 11338		_	Harris		
13. Site Info	ormation						14. Latitude		
							29-42-50N		
							15. Longitude		
Business	146 at Goose C	Creek				_	94-59-30W		
16. Closest	•			From Ramp		18. Boat Type			
	dy" McBride		0.1 NM			small vess	el (<2'draft)		
19. Directio	ns From MSO Hou	iston-Galvest	on				20. Closest Airport Ellington Field Airport EFD		
I-10 East	to Spur 330 So	uth. Spur 3	30 South to	Highway 1	46 South. I	Highway	21. Closest Helispot		
146 South	n to Business 14	46. Right at	first light.				Ellington Field Airport EFD		
22. Trustee/	Contact Numbers		23. Resource	es at Risk			24. Width of Inlet		
USCG	713-671-5100)	Atlas Priority:				500'		
TGLO	281-470-6597		Medium				25. Water depth		
TCEQ	512-463-7727	7	Environmenta				8'		
RCC	713-869-5001	l	Habitat for	fish, shrimp	o, crabs		26. Current Slow		
TPWD	281-534-0130		Economic:				27. # of Personnel		
USFWS	281-286-8282	2	N/A				4-6		
	g Strategy Recom		usiness 146	S.					
29. Prepared	By:	6,344	30.Reveiwed by	/ (PSC):		31. Reveiwed b	y (OSC):		
Assignme	-	ICS 204 OS	(Geographic		an)		pdated: 11 April 2006		

1. Incident I	Name		2. Operationa	al Period (Dat	e/Time)		Assignment List ICS 204-OS				
3. Branch				4. Division/Group							
_	ns Personnel ons Section Chief	Name			Affiliation		Contact #(s)				
	Branch Director										
	Group Supervisor										
	es Assigned This I		•	<u> </u>			achment with special instructions				
Resou	urce Identifier	Lea	ader	Contac	ct Info #	# or Persons	Reporting info/Notes/Remarks				
						+	片				
						1					
						1					
7. Assignm	ents	•				•					
Boom acr	oss Goose Cre	ek at first ra	ilroad bridge	e north of M	/lain Street.						
Safety Note	9 :										
8. Site #	9. Quad Name		10. NOAA Ch	art #	11. TGLO At	las Page#	12. County				
26Q	Morgans Poir	nt	11326, 113	27, 11338	26		Harris				
13. Site Information					,		14. Latitude				
							29 N				
	_						15. Longitude				
	eek at Main Str	eet, Baytow					94 W				
	Boat Ramp		17. Distance	From Ramp		18. Boat Typ					
	ldy" McBride		0.85 NM			small vess	el (<2'draft)				
19. Directio	ns From MSO Hou	iston-Gaivest	on				20. Closest Airport				
I 10 Eact	to Spur 330 So	uth Spur 2	20 South to	⊔iahway 1.	46 South I	Highway	Ellington Field Airport EFD 21. Closest Helispot				
	n to Business 1			riigiiway i	40 Ooutii. i	ligitway	Ellington Field Airport EFD				
	/Contact Numbers		23. Resource	es at Risk			24. Width of Inlet				
USCG	713-671-5100		Atlas Priority:				600'				
TGLO	281-470-6597		Medium				25. Water depth				
TCEQ	512-463-7727		Environmenta	l:							
RCC	713-869-500		N/A				26. Current				
TPWD	281-534-0130)	Economic:				27. # of Personnel				
USFWS	281-286-8282	2	N/A				4-6				
	g Strategy Recom		ilraod bridge	e north of N	∕lain Street.						
29. Prepared		100	30.Reveiwed by			31. Reveiwed b					
Assignme	nt List	ICS 204 OS	(Geographic	Response PI	lan)	U	Jpdated: 11 April 2006				

1. Incident	Name		2. Operation	al Period (Date	e/Time)		Assignment List ICS 204-OS	
3. Branch				4. Division/G	roup		100 201 00	
	ns Personnel ons Section Chief	Name			Affiliation		Contact #(s)	
5	Branch Director							
	Group Supervisor							
	es Assigned This F urce Identifier	1	ador	Conton		# or Persons	Reporting info/Notes/Remarks	
Resor	urce identifier	Lea	ader	Contac	t Info #	# Of Persons	Reporting inio/Notes/Remarks	
7. Assignm	ents					-		
Boom acr	ross Goose Cre	ek at Railro	ad Bridge s	outh of Marl	ket Street.			
Safety Note	e :							
8. Site #	9. Quad Name		10. NOAA Ch		11. TGLO At	las Page#	12. County	
26R	Morgans Poin	ıı	11320, 113	327, 11338	20		Harris 14. Latitude	
13. Site Info	ormation						29-43-50N	
							15. Longitude	
Goose Cr	eek at Railroad	Bridge sou	th of Market	Street Bay	∕town Tx		94-59-24W	
	Boat Ramp	Dilago ooa	1	From Ramp	7.01111, 17.1	18. Boat Type		
	ldy" McBride		1.02 NM	r rom ramp		small vesse		
	ns From MSO Hou	ston-Galvest	on			•	20. Closest Airport	
							Ellington Field Airport EFD	
	to Spur 330 Sou			Highway 14	46 South. H	Highway	21. Closest Helispot	
	n to Business 14						Ellington Field Airport EFD	
	/Contact Numbers		23. Resourc				24. Width of Inlet	
USCG	713-671-5100		Atlas Priority:				500'	
TGLO	281-470-6597		Medium				25. Water depth	
TCEQ	512-463-7727		Environmenta	al:			8'	
RCC TPWD	713-869-5001 281-534-0130		N/A Economic:				26. Current 27. # of Personnel	
USFWS	281-286-8282		N/A				4-6	
	g Strategy Recom		IN/A				4-0	
20. 60011111	ig Strategy Recom	enuation						
Boom across Goose Creek at railroad bridge south of Market Street.								
V A	000 00000 010	ok at railion	a bridge co	attroi mant	ot Otroot.			
	The state of	MERCHANIC TO						
			1-1					
发现								
			The state of the s					
			1					
Copyright (C	2009 Tease General Land Office, ESSE	0.1744	101			_		
29. Prepared	•	100 004 00	30.Reveiwed by	,	>	31. Reveiwed by		
Assignme	nt list	ICS 204 OS	(Geographic	Response Pla	an)	U	pdated: 11 April 2006	

1. Incident	Name		2. Operation	al Period (Dat	e/Time)		Assignment List ICS 204-OS
3. Branch			•	4. Division/G	roup		
· ·	ns Personnel ons Section Chief	Name			Affiliation		Contact #(s)
	Branch Director						
Division/	Group Supervisor						
	es Assigned This F			1			achment with special instructions
Reso	urce Identifier	Lea	ader	Contac	t Info #	# or Persons	Reporting info/Notes/Remarks 🔻
						1	
						+	
7. Assignm Boom acr	ents ross Goose Cre	ek at Marke	t Street.			'	
Safety Note	e:						
8. Site #	9. Quad Name		10. NOAA Ch	art #	11. TGLO At	las Page#	12. County
26S	Morgans Poin	t	11326, 113	327, 11338	26		Harris
13. Site Info	ormation						14. Latitude
							29-43-55N
			_				15. Longitude
	eek at Market	Street, Bayt	1				94-59-20W
	Boat Ramp			From Ramp		18. Boat Type	
	ldy" McBride	atan Calusat	1.1 NM			•	el (<2'draft)
i i i i i i i i i i i i i i i i i i i	ns From WSO Hou	Ston-Gaivest	On				20. Closest Airport Ellington Field Airport EFD
I-10 East	to Spur 330 Sou	ıth Spur 3	30 South to	146 South	Evit Lynck	abura Poad	21. Closest Helispot
	outh. Left on Ly						Ellington Field Airport EFD
	Contact Numbers		23. Resourc		Otroot to bi	lago.	24. Width of Inlet
USCG	713-671-5100		Atlas Priority:				150'
TGLO	281-470-6597		Medium				25. Water depth
TCEQ	512-463-7727		Environmenta	al:			10'
RCC	713-869-5001		N/A				26. Current Slow
TPWD	281-534-0130)	Economic:				27. # of Personnel
USFWS	281-286-8282	<u> </u>	N/A				2-6
	g Strategy Recom		et Street.				
Copyright EC	2009 Team General Land Office, ESAL	THE REAL PROPERTY.	1				
29. Prepared	•		30.Reveiwed by	,		31. Reveiwed by	
Assignme	nt List	ICS 204 OS	(Geographic	Response Pl	an)	U	pdated: 11 April 2006

1. Incident I	Name		2. Operation	al Period (Dat	e/Time)		Assignment List ICS 204-OS	
3. Branch			•	4. Division/Group				
I -	ns Personnel ons Section Chief	Name			Affiliation		Contact #(s)	
	Branch Director							
Division/	Group Supervisor							
	es Assigned This F						achment with special instructions	
Resou	urce Identifier	Lea	ader	Contac	t Info #	# or Persons	Reporting info/Notes/Remarks 🔻	
7. Assignmo	ents oss Goose Cree	ak at West	Tevas Aven	ue Baytow	n Tv			
Safety Note		on at vvoot	TOXAG / WOLL	ac, Baytow	11, 17.			
8. Site #	9. Quad Name		10. NOAA Ch		11. TGLO At	as Page#	12. County	
26T	Morgans Poin	t	11326, 113	327, 11338	26		Harris	
13. Site Info	ormation						14. Latitude	
							29-44-13N	
Goosa Cr	eek at West Te	vae Avanue	,				15. Longitude 94-59-00W	
16. Closest		xas Avenue	17. Distance	From Bomn		18. Boat Type		
	dy" McBride		1.6 NM	rioiii Kaiiip			el (<2'draft)	
	ns From MSO Hou	ston-Galvest					20. Closest Airport	
							Ellington Field Airport EFD	
I-10 East	to Spur 330 Sou	uth. Spur 3	30 South to	146 South.	Exit Texas	s Avenue	21. Closest Helispot	
	ft to bridge over	•					Ellington Field Airport EFD	
22. Trustee/	Contact Numbers		23. Resourc	es at Risk			24. Width of Inlet	
USCG	713-671-5100)	Atlas Priority:				150'	
TGLO	281-470-6597	•	Medium				25. Water depth	
TCEQ	512-463-7727		Environmenta	ıl:			7'	
RCC	713-869-5001		N/A				26. Current Slow	
TPWD	281-534-0130		Economic:				27. # of Personnel	
USFWS	281-286-8282		N/A				4-6	
	g Strategy Recom		Texas Aven	ue.				
Capt-raph (C)	2007 Taxas Sanarai Land Offica, S163							
29. Prepared	•		30.Reveiwed by	,		31. Reveiwed by		
Assignme	nt List	ICS 204 OS	(Geographic	Response Pl	an)	U	pdated: 11 April 2006	

1. Incident I	Name		2. Operationa	l Period (Dat	e/Time)	Assignment List ICS 204-OS			
3. Branch			•	4. Division/Group					
-	ns Personnel ons Section Chief	Name			Affiliation		Contact #(s)		
	Branch Director								
Division/0	Group Supervisor								
6. Resource	s Assigned This F	Period			"X" indi	cates 204a atta	achment with special instructions		
Resou	ırce Identifier	Lea	eader Contact Info #			# or Persons	Reporting info/Notes/Remarks		
							<u> </u>		
7. Assignme	ents	<u> </u>							
Boom acr	oss Goose Cre	ek at Hwy 3	30.						
Safety Note) :								
8. Site #	9. Quad Name		10. NOAA Cha	art #	11. TGLO At	as Page#	12. County		
26U	Morgans Poin	nt	11326, 113		26	J	Harris		
13. Site Info	ormation						14. Latitude		
							29-44-33N		
							15. Longitude		
Goose Cr	eek at Hwy 330	, Baytown,	Tx.				94-59-02W		
16. Closest			17. Distance	From Ramp		18. Boat Type			
	dy" McBride		1.97 NM			small vess	el (<2'draft)		
19. Direction	ns From MSO Hou	iston-Galvest	on				20. Closest Airport Ellington Field Airport EFD		
							21. Closest Helispot		
I-10 East	to Spur 330 So	uth. Spur 3	30 past High	way 146 to	bridge ove	r creek.	Ellington Field Airport EFD		
	Contact Numbers		23. Resource	s at Risk			24. Width of Inlet		
USCG	713-671-5100		Atlas Priority:				110'		
TGLO	281-470-6597		Medium				25. Water depth		
TCEQ	512-463-7727		Environmental	:			6'		
RCC	713-869-5001		N/A				26. Current Slow		
TPWD	281-534-0130		Economic:				27. # of Personnel		
USFWS	281-286-8282		N/A				2-4		
	g Strategy Recom		30.						
Boom acr	oss Goose Cre	er at riwy 3	30.						
			工						
29. Prepared I	NV	0.1766	30.Reveiwed by	(PSC)·		31. Reveiwed b	v (OSC):		
Assignmer		ICS 204 OS	(Geographic		an)		lpdated: 11 April 2006		

1. Incident Name			2. Operational Period (Date/Time)				Assignment List ICS 204-OS
3. Branch			4. Division/Group			.00 20 . 00	
5. Operations Personnel Name Operations Section Chief			Affiliation			Contact #(s)	
	Branch Director						
	Group Supervisor						
	es Assigned This F			_			achment with special instructions
Resource Identifier Leader			ader	Contac	t Info #	# or Persons	Reporting info/Notes/Remarks
						 	
7. Assignme	ents oss Goose Cre	als at Dark S	Stroot			•	
Safety Note		ek al Paik S	olieet.				
Caroty Hote							
8. Site #	9. Quad Name		10. NOAA Ch	art #	11. TGLO At	las Page#	12. County
26V	Morgans Poin	t	11326, 113	327, 11338	26		Harris
13. Site Info	ormation						14. Latitude
							29-44-32N
		_	_				15. Longitude
	eek at Park Stre	eet, Baytow	T			1	94-58-58W
16. Closest				From Ramp 18. Boat Type small vessel (<2'draft)			
	dy" McBride ns From MSO Hou	oton Colvect	2.1 NM			•	· ·
lia. Dilectio	iis Fiolii Mi3O fiou	Ston-Gaivest	OII				20. Closest Airport Ellington Field Airport EFD
I-10 Fast	to Spur 330 Sou	ıth Spur 3	30 South to	Spur 201	Left on Sni		21. Closest Helispot
	e rigth onto Parl					201 4114	Ellington Field Airport EFD
	Contact Numbers		23. Resourc				24. Width of Inlet
USCG			Atlas Priority:				200'
TGLO			Medium				25. Water depth
TCEQ			Environmenta	tal:			6'
RCC			N/A				26. Current Slow
TPWD						27. # of Personnel	
USFWS	SFWS 281-286-8282 N/A						4-6
	g Strategy Recom		Street.				
			man de la companya de				
29. Prepared	By:		30.Reveiwed by	/ (PSC):		31. Reveiwed by	y (OSC):
Assignment List ICS 204 OS (Geographic			,	an)		pdated: 11 April 2006	

1. Incident Name			2. Operational Period (Date/Time)				Assignment List ICS 204-OS
3. Branch			4. Division/Group				
5. Operations Personnel Name Operations Section Chief			Affiliation Contact #(s)			Contact #(s)	
	Branch Director						
-	Group Supervisor						
	s Assigned This F		- d	0			achment with special instructions
Resou	rce Identifier	Lea	ader	der Contact Info # # or Per			Reporting info/Notes/Remarks ★
						+	
						+	
7. Assignme	ents	•		•		•	
Boom acro	oss Goose Cre	ek at Hwy 1	46, Baytowi	n, Tx.			
Safety Note	:						
8. Site #	9. Quad Name		10. NOAA Chart # 11. TGLO Atlas F		las Page#	12. County	
26W	Morgans Poin	<u>t</u>	11326, 113	327, 11338	26		Harris
13. Site Info	rmation						14. Latitude
							29-45-05N
Coooo Cr	ack of Hun, 146						15. Longitude 94-58-45W
	eek at Hwy 146	•	l.= 5: .				
16. Closest	Boat Ramp dy" McBride		17. Distance 2.45 NM	From Ramp 18. Boat Type			el (<2'draft)
	ns From MSO Hou	ston-Galvest				•	20. Closest Airport
l o bii colioi	15 1 10111 11100 1100	oton Garrest	0				Ellington Field Airport EFD
I-10 East t	to Spur 330. Sp	our 330 Sou	ıth to Hiahw	av 146 Eas	t. Continue	e to bridae	21. Closest Helispot
over creek			J	ray 110 Lact. Commac to shage			Ellington Field Airport EFD
22. Trustee/	Contact Numbers		23. Resourc	es at Risk		24. Width of Inlet	
USCG			Atlas Priority:				60'
TGLO			Medium				25. Water depth
TCEQ	CEQ 512-463-7727 Environmenta			d:			4'
RCC	713-869-5001		N/A				26. Current Slow
TPWD	281-534-0130		Economic:				27. # of Personnel
USFWS	281-286-8282		N/A				2-4
	g Strategy Recom-		46.				
1V		Wal					
			proppi special series of pureau				
20 Proposed 5	2009 Fennes Semental Land Office, \$345	0,17ml	30.Reveiwed by	//DSC\:		31 Daysiyad b	v(080):
29. Prepared E Assignmen	-	ICS 204 OS	,	Response Pl	an)	31. Reveiwed by	pdated: 11 April 2006

8. MORGANS POINT

W Trinity Bay, NW Galveston Bay, HSC, Tabbs Bay, Goose Cree and Cedar Bayou

CHART(S): Nautical Chart (11326, 11327 and 11338)

Upper Coast Atlas page 26

STAGING AREA:

1. Crawley's Bait Camp (2)	29-40-44 N 094-55-34 W
2. Thompson's Fishing Camp (1)	29-40-51 N 094-56-14 W
3. V.H. "Buddy" McBride boat ramp (3)	29-42-45 N 094-59-35 W
4. Morgan's point boat ramp (1)	29-40-55 N 094-59-01 W
5. Roseland Park (2)	29-43-22 N 094-56-33 W

ACCESS ROAD:

- 1. Crawley's Marina (Old location): East on Hwy 225 from Houston to Hwy 146. Turn left on Hwy 146 and proceed north to Hwy 55. Turn right onto Hwy 55 and proceed east on Hwy 55 to FM 1405. Turn right on FM 1405 and proceed south to FM 2354. Turn right on FM 2354 and proceed boat ramp.
- 2. East on Hwy 225 from Houston to Hwy 146. Turn left on Hwy 146 and proceed north to Hwy 55. Turn right onto Hwy 55 and proceed east on Hwy 55 to Tri-City Beach Rd. Turn right and proceed to boat ramp.
- 3. East on Hwy 225 from Houston to Hwy 146. Turn left of Hwy 146 and proceed north to boat ramp located at first right after crossing Fred Hartman Bridge.
- 4. Hwy 146 south to Barbour's Cut Blvd. Turn left proceeds to Vinsonia Ave. Turn right proceed to Ballister Rd. Turn left to boat ramp at end of road.
- 5. Hwy 146 north to spur 99. Turn right proceed to Tri-City. Turn left on proceed to E Texas. Turn right proceed to Roseland. Turn right on Roseland proceed to boat ramp on left at Roseland Park.

DESCRIPTION:

Trinity Bay

- 8-A Boom to protect Houston Point (Cedar Point) marsh area
- 8-B Boom to protect Mesquite Knoll Island.
- 8-C Boom to protect Swan Marsh west of Houston Point

Cedar Bayou

- 8-D Boom Bayou close to spill site area.
- 8-E Boom to protect Marrow Marsh east of Cedar Bayou entrance
- 8-F Boom entrance to Cedar Bayou (550' wide)
- 8-G Boom entrance to Cedar Bayou west of Boaz Island (150'wide)
- 8-H Boom to protect Boaz Island
- 8-I Boom to protect Intake Canal West of Bay Oak Harbor Road. (500' wide)

Galveston Bay

8-J Boom to protect Atkinson Island &(WMA)

Houston Ship Channel

- 8-L Boom cut between Hog and Atkinson Island (1,150' wide)
- 8-M Boom to protect Hog Island
- 8-N Boom entrance to Barbours Cut (800' wide)
- 8-O Boom entrances to Bayland Park Marina (850' wide)

Goose Creek

- 8-P Boom Bayou close to spill site area.
- 8-Q Boom entrance to Goose Creek at Hwy 146 (516' wide)
- 8-R Boom across Goose Creek at Main Street (546' wide)
- 8-S Boom across Goose Creek at 1st.R/R Bridge north of Main (595' wide)
- 8-T Boom across Goose Creek at R/R Bridge south of Market (486' wide)
- 8-U Boom across Goose Creek at Market Street (192' wide)
- 8-V Boom across Goose Creek at W. Texas Ave. (153' wide)
- 8-W Boom across Goose Creek at Hwy 330 (145' wide)
- 8-X Boom across Goose Creek at Park Street (210' wide)
- 8-Y Boom across Goose Creek at Hwy 146 (60' wide)

NOTIFY:

U.S.C.G. via NRC	(800) 424-8802
Texas General Land Office (TGLO)	(800) 832-8224
Texas Parks & Wildlife Dent (TP&WD)	(281) 461-4071 H

Texas Parks & Wildlife Dept. (TP&WD) (281) 461-4071 Houston U.S. Fish & Wildlife Service (281) 286-8282 Houston

CAUTION:

Very shallow water near the shoreline of Trinity Bay, Atkinson and Hog Island's east shores. Crews operating along the shoreline of the ship channel should expect wake action as vessels pass.

NATURAL COLLECTION AREA:

The southeast corner of Morgan's Point tends to be impacted during spill events. Also, product accumulates around the cuts of Atkinson Island.

Site Specific Information

Site #8-X TGLO Polygon #1 Quad Name Morgan's Point



Site information:

Site Description: Goose Creek @ Park Street

Latitude: N 29°44'32" **Longitude:** W 94°58'58" **Map# 26**

NOAA chart # 11326, 11327, 11338 County: Harris Nearest ICW Marker: N/A Date last visited: February 17, 2004

Access:

Closest Boat Ramp: V.H. "Buddy" McBride boat ramp

Distance: 20 minutes

Boat type recommended: Any

Closest Airport: William P Hobby Airport HOU

Closest Helicopter Landing: William P Hobby Airport, 29°38'43.50"N

095°16'44.00"W

From MSO Houston-Galveston:

North on Hwy 610, exit east onto I-10, exit onto Market Street.

 Trustees/ Contact Numbers:
 U.S.C.G. via NRC
 (800) 424-8802

 TGLO via Hotline
 (800) 832-8224

 TCEQ
 (512) 463-7727

Resources at Risk:

Atlas Priority: Medium
Environmental: N/A
Economic: N/A

Booming strategy recommendations:

Recommendations: Boom across Goose Creek at Park Street.

Number of personnel: 4-6 Width of inlet: 200 ft
Current: Slow Water depth at mouth: 6 ft

Safety / Cautionary notes:

8. MORGANS POINT

W Trinity Bay, NW Galveston Bay, HSC, Tabbs Bay, Goose Cree and Cedar Bayou

CHART(S): Nautical Chart (11326, 11327 and 11338)

Upper Coast Atlas page 26

STAGING AREA:

1. Crawley's Bait Camp (2)	29-40-44 N 094-55-34 W
2. Thompson's Fishing Camp (1)	29-40-51 N 094-56-14 W
3. V.H. "Buddy" McBride boat ramp (3)	29-42-45 N 094-59-35 W
4. Morgan's point boat ramp (1)	29-40-55 N 094-59-01 W
5. Roseland Park (2)	29-43-22 N 094-56-33 W

ACCESS ROAD:

- 1. Crawley's Marina (Old location): East on Hwy 225 from Houston to Hwy 146. Turn left on Hwy 146 and proceed north to Hwy 55. Turn right onto Hwy 55 and proceed east on Hwy 55 to FM 1405. Turn right on FM 1405 and proceed south to FM 2354. Turn right on FM 2354 and proceed boat ramp.
- 2. East on Hwy 225 from Houston to Hwy 146. Turn left on Hwy 146 and proceed north to Hwy 55. Turn right onto Hwy 55 and proceed east on Hwy 55 to Tri-City Beach Rd. Turn right and proceed to boat ramp.
- 3. East on Hwy 225 from Houston to Hwy 146. Turn left of Hwy 146 and proceed north to boat ramp located at first right after crossing Fred Hartman Bridge.
- 4. Hwy 146 south to Barbour's Cut Blvd. Turn left proceeds to Vinsonia Ave. Turn right proceed to Ballister Rd. Turn left to boat ramp at end of road.
- 5. Hwy 146 north to spur 99. Turn right proceed to Tri-City. Turn left on proceed to E Texas. Turn right proceed to Roseland. Turn right on Roseland proceed to boat ramp on left at Roseland Park.

DESCRIPTION:

Trinity Bay

- 8-A Boom to protect Houston Point (Cedar Point) marsh area
- 8-B Boom to protect Mesquite Knoll Island.
- 8-C Boom to protect Swan Marsh west of Houston Point

Cedar Bayou

- 8-D Boom Bayou close to spill site area.
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- 8-F Boom entrance to Cedar Bayou (550' wide)
- 8-G Boom entrance to Cedar Bayou west of Boaz Island (150'wide)
- 8-H Boom to protect Boaz Island
- 8-I Boom to protect Intake Canal West of Bay Oak Harbor Road. (500' wide)

Galveston Bay

8-J Boom to protect Atkinson Island &(WMA)

Houston Ship Channel

- 8-L Boom cut between Hog and Atkinson Island (1,150' wide)
- 8-M Boom to protect Hog Island
- 8-N Boom entrance to Barbours Cut (800' wide)
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- 8-P Boom Bayou close to spill site area.
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- 8-U Boom across Goose Creek at Market Street (192' wide)
- 8-V Boom across Goose Creek at W. Texas Ave. (153' wide)
- 8-W Boom across Goose Creek at Hwy 330 (145' wide)
- 8-X Boom across Goose Creek at Park Street (210' wide)
- 8-Y Boom across Goose Creek at Hwy 146 (60' wide)

NOTIFY:

U.S.C.G. via NRC	(800) 424-8802
Texas General Land Office (TGLO)	(800) 832-8224
Texas Parks & Wildlife Dent (TP&WD)	(281) 461-4071 H

Texas Parks & Wildlife Dept. (TP&WD) (281) 461-4071 Houston U.S. Fish & Wildlife Service (281) 286-8282 Houston

CAUTION:

Very shallow water near the shoreline of Trinity Bay, Atkinson and Hog Island's east shores. Crews operating along the shoreline of the ship channel should expect wake action as vessels pass.

NATURAL COLLECTION AREA:

The southeast corner of Morgan's Point tends to be impacted during spill events. Also, product accumulates around the cuts of Atkinson Island.

Site Specific Information

Site #8-Y TGLO Polygon #16 Quad Name Morgan's Point



Site information:

Site Description: Goose Creek @ Hwy 146

Latitude: N 29°45'05" **Longitude:** W 94°58'45" **Map# 26**

NOAA chart # 11326, 11327, 11338 **County:** Harris

Nearest ICW Marker: N/A Date last visited: February 17, 2004

Access:

Closest Boat Ramp: V.H. "Buddy" McBride boat ramp

Distance: 25 minutes

Boat type recommended: Small boat with draft of less than 2 feet.

Closest Airport: Ellington Field Airport EFD

Closest Helicopter Landing: Ellington Field Airport, 29°36'26.40"N

095°09'31.50"W

From MSO Houston-Galveston:

North on Hwy 610, exit east onto I-10, exit onto Market Street.

 Trustees/ Contact Numbers:
 U.S.C.G. via NRC
 (800) 424-8802

 TGLO via Hotline
 (800) 832-8224

 TCEQ
 (512) 463-7727

Resources at Risk:

Atlas Priority: Low

Environmental: Habitat for fish, shrimp

Economic: Along Houston Ship Channel.

Booming strategy recommendations:

Recommendations: Boom across Goose Creek at Hwy 146.

Number of personnel: 2-4 Width of inlet: 60 ft
Current: Slow Water depth at mouth: 4 ft

Safety / Cautionary notes: